

# 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*<sup>®</sup> Work & Well-being

How Safer, Healthier Work Can Enhance Well-being

May 8-11, 2018 | National Institutes of Health Campus



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# ABOUT THE SYMPOSIUM

Launched in 2014, the **International Symposium to Advance Total Worker Health®** is the only NIOSH-sponsored public conference focused solely on advancing Total Worker Health research, practice, policies, and programs. Bringing together experts from academia, labor, business, and government, the Symposium examines opportunities to make workplaces safer and improve the health and well-being of the workforce across the nation and world. We invite you to join us for compelling keynote addresses, expert presentations, and informal workshops emphasizing the latest strategies aligned with a Total Worker Health approach. The 2018 Symposium will build on the success of the 2014 Symposium while addressing the latest trends and new research in the Total Worker Health field.

## Goals of the 2018 Symposium are to:

### REAFFIRM

- ... Our dedication to the safety and health of all workers
- ... A commitment to prioritizing safety in all jobs

### REDESIGN

- ... The way we craft and organize work
- ... The workplace environment to optimize health opportunities
- ... The way we lead, manage and supervise

### REVEAL

- ... New strategies for re-designing work for improved worker well-being
- ... New links between work and the risks for chronic disease and solutions to address them
- ... Novel research, methods and interventions for advancing Total Worker Health

Stay connected with *Total Worker Health*  
before, during, and after the  
Symposium by using

#TWH2018  
on Twitter.



For more information, or to register for the 2<sup>nd</sup> International Symposium to Advance *Total Worker Health®*, please visit the official web home of the Symposium at: <https://www.twhsymposium.org/>.

## About the International Social Security Association Vision Zero Campaign Launch

The International Social Security Association (ISSA) launched the first global prevention campaign to improve safety, health and well-being at work on a global perspective during the XXI World Congress on Safety and Health at Work in Singapore in September 2017. The Vision Zero Campaign aims to engage partners—institutions and organizations— as well as companies worldwide to reduce occupational accidents and diseases by focusing on responsible leadership and investing in healthy workplaces and a motivated workforce.

This half-day **Vision Zero Campaign for North America** launch event will be organized by the International Social Security Association (ISSA Secretariat, ISSA's Special Commission on Prevention and the International Section of the ISSA on Information for Prevention) in the course of 2<sup>nd</sup> International Symposium to Advance *Total Worker Health®*.

# OPENING SESSION AND KEYNOTE PRESENTERS

## | Auditorium

### Greeting from the United States Surgeon General Tuesday, May 8th

**VADM Jerome M. Adams, MD, MPH**, the 20th Surgeon General of the United States, was sworn into office by Vice President Mike Pence on September 5, 2017. Dr. Adams, a board-certified anesthesiologist, served as Indiana State Health Commissioner from 2014 to 2017. A Maryland native, Dr. Adams has bachelor's degrees in both biochemistry and psychology from the University of Maryland, Baltimore County, a master of public health degree from the University of California at Berkeley, and a medical degree from Indiana University School of Medicine.

### The International Reach of *Total Worker Health*® Tuesday, May 8th

**Professor Dame Carol Black DBE, FRCP, FMedSci** is Principal of Newnham College Cambridge and Expert Adviser on Health and Work to NHS England and Public Health England. She chairs the Board of Think Ahead, the Government's new fast-stream training programme for Mental Health Social Workers. She is a member of the Welsh Government's Parliamentary Review of Health and Social Care in Wales and Bevan Commission on health in Wales, the board of UK Active, Rand Europe's Council of Advisers, PwC's Health Industries Oversight Board, and the Advisory Board of

Step up to Serve. As Principal of Newnham she is on several committees in Cambridge University, for example the Advisory Board of the Cen-tre for Science and Public Policy, and is one of the Deputy Vice-Chancellors.

In November 2011, while National Director for Health and Work, she completed as Co-Chair an independent review for the UK Government of sickness absence in Britain and has now finished a further independent review for the Government, of employment outcomes of addiction to drugs or alcohol, or obesity, and the benefits system.

Professor Black is a past-President of the Royal College of Physicians, of the Academy of Medical Royal Colleges, and of the British Lung Foundation, and past-Chair of the Nuffield Trust for health policy.

### Blue Zones: Exploring the Secrets of a Long Life Tuesday, May 8th

**Tony Buettner** is the Senior Vice President of Business Development at Blue Zones. One of Tony's primary tasks is that of Project Manager for Blue Zones Projects; His work encompassing strategic planning, operations, and the facilitation of successful implementation of all Blue Zones Community projects. Tony brings direct knowledge and insight of the Blue Zones expeditions, research, and insights into those populations to help them live longer, better. His experience gained during his participation on expeditions with Dan Buettner, his brother, and his over 30 years of world travel, bring pertinent experience in the understanding of health and well-being as it relates to populations and cultures.

Tony's day-to-day responsibilities at Blue Zones offer deep insight into the research that forms the foundation for the product development and implementation of the methodology behind the Blue Zones Projects. This interaction brings deep-seated understanding to how Blue Zones interfaces in the six sectors of communities that include policy, worksites, restaurants, grocery stores, schools, and with individual engagement. His background in quality management systems complement the rigor and thoughtfulness in developing a scalable product model as well as one that can be sustained in the Blue Zone Project communities.



## Global Challenges for Safety, Health and Well-being at work: New Strategic Responses

**Tuesday, May 8th**

**Mr. Hans-Horst Konkolewsky** is the Secretary General of the International Social Security Association (ISSA). Elected in 2005, Mr. Konkolewsky heads an extensive programme of activities focused on strengthening the governance, performance and service quality of social security administrations, with a strong focus on proactive and preventive measures.

The Secretary General has developed the ISSA's strategy around the concept of Dynamic Social Security and excellence in social security administration, leading to the launch of the ISSA Centre for Excellence in Social Security Administration, in 2013. Prior to his election as Secretary General, Mr. Konkolewsky served for ten years as the first Director of the European Agency for Safety and Health at Work, located in Bilbao, Spain.

Mr. Konkolewsky, who is a Danish national, also held several senior positions in the Danish Ministry of Employment and served as Deputy Director General of the Danish Working Environment Authority.



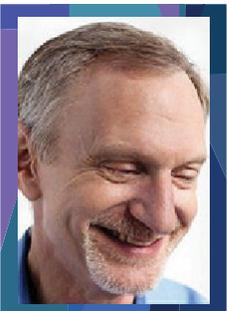
## Worker Well-being and High Performance Workplaces: Two Sides of the Same Coin

**Wednesday, May 9th**

**Kimberly Jinnett, PhD** is Research Director of the Center for Workforce Health and Performance and Secretary/Treasurer of the CWHP Board. Dr. Jinnett is also Affiliate Faculty at the UCSF Institute for Health & Aging and Executive Vice President at the Integrated Benefits Institute where she has contributed to research and operations since June 2005.

Previously, she was a health policy researcher at RAND and at the Department of Veterans Affairs. Most recently, Dr. Jinnett served as Senior Evaluation Officer, developing and managing research investments for a major national foundation across a variety of substantive areas including leadership, organizational behavior, use of incentives and social change. She has served in senior management positions in a variety of nonprofit organizations, county and federal agencies.

Dr. Jinnett received her bachelor's degree in psychobiology and master's degree in public health from the University of California, Los Angeles. She received her PhD in sociology and health services organization and policy from the University of Michigan, Ann Arbor.



## What Science Can Tell Us about Living Well: Lessons from an 80- Year Longitudinal Study

**Thursday, May 10th**

**Robert Waldinger, MD** is a Clinical Professor of Psychiatry at Harvard Medical School, Director of the Center for Psychodynamic Therapy and Research at Massachusetts General Hospital, and Director of the Harvard Study of Adult Development. Robert received his A.B. from Harvard College and his MD from Harvard Medical School. He is the author of numerous scientific papers as well as two books. He is a practicing psychiatrist and psychoanalyst, and teaches Harvard medical students and psychiatry residents. He is also a Dharma Holder and Teacher in Boundless Way Zen.

# SCIENTIFIC PLANNING PANEL

The Scientific Planning Panel is an invited group of researchers and innovators selected to guide the Symposium's development, ensuring we feature the most salient and impactful research, policy, practices, and programs. We would like to thank the Scientific Planning Panel for their instrumental contributions to the symposium. We are pleased to have the following members represented:

**Kimberly Olszewski, DNP, RN, CRNP, COHN-S/CM, FAAOHN**

Secretary, Board of Directors, American Association of Occupational Health Nurses

**Danielle Pere, MPM**

Associate Executive Director, American College of Preventive Medicine

**Steven E. Lacey, PhD, CIH, CSP**

President, American Industrial Hygiene Association

**David Ballard, PsyD, MBA**

Assistant Executive Director for Organizational Excellence, American Psychological Association

**Robert Harrison, MD, MPH**

President, Association of Occupational and Environmental Clinics

**Jason Lang, MPH, MS**

Team Lead, Worksite Health Programs, CDC National Center for Chronic Disease Prevention and Health Promotion

**David LeGrande, RN, MS**

Director, Occupational Safety and Health, Communications Workers of America

**Robert K. McLellan, MD, MPH, FACOEM**

Medical Director, Live Well/Work Well, Dartmouth-Hitchcock

**Sven Timm, PhD**

Vice President, International/National Co-Operation & Consultancy in Safety and Health at Work; Employment Injury Schemes; Social Dialogue

**Jamie Becker, LCSW-C**

Director, Health Promotion, Laborers' Health & Safety Fund of North America

**LuAnn Heinen, MPP**

Vice President, National Business Group on Health

**Christopher Gaines, MPH**

Office of Research Services, National Institutes of Health

**Leslie Hammer, PhD**

2017 Chairperson, Coordinating Committee of the NIOSH Centers of Excellence for *Total Worker Health*®, Oregon Healthy Workforce Center, NIOSH Centers of Excellence for TWH

**Kate McPhaul, PhD, MPH, COHN-S**

Smithsonian Institute

**Tamara Schult, PhD, MPH**

Research Data Analyst, Employee Health and Well-Being, Veterans Health Administration, U.S. Department of Veterans Affairs

**Ivan Ivanov, MD, PhD**

Workers' HDPH Environmental and Social Determinants of Health World Health Organization (WHO)

**Julietta Rodriguez-Guzman, MD, SOH, MScA**

Regional Advisor on Workers' Health, Pan American Health Organization, Regional Office of the WHO

**Cristina G. Banks, PhD**

Director, Interdisciplinary Center for Healthy Workplaces

**Jim Grosch, PhD**

Director, NIOSH National Center for Productive Aging and Work



# PRESENTING PARTNERS

The Symposium Planning Committee would also like to thank the following prestigious partners for their assistance with the 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*<sup>®</sup>:

## DOMESTIC PARTNERS

Agrisafe  
 American Association of Occupational Health Nurses (AAOHN)  
 American College of Preventive Medicine (ACPM)  
 American Industrial Hygiene Association (AIHA)  
 American Nurses Association (ANA)  
 American Psychological Association (APA)  
 American Public Health Association (APHA)  
 American Society of Safety Engineers (ASSE)  
 Association of Occupational and Environmental Clinics (AOEC)  
 Centers for Disease Control and Prevention (CDC)  
 Communications Workers of America (CWA)  
 Dartmouth-Hitchcock Medical Center  
 Eagleson Institute  
 Eskenazi Health  
 Industrial Minerals Association – North America (IMA-NA)  
 Interdisciplinary Center for Healthy Workplaces  
 International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers (IBB)  
 Kentucky Injury Prevention and Research Center (KIPRC)  
 Laborers' Health & Safety Fund of North America (LHSFNA)  
 Labor Occupational Health Program  
 National Aeronautics and Space Administration (NASA)  
 National Business Group on Health  
 National Institute for Occupational Safety and Health  
 National Institutes of Health (NIH)  
 National Safety Council (NSC)  
 National Security Agency (NSA)  
 Northern Kentucky University (NKU)  
 Ohio Bureau of Workers' Compensation  
 SAIF Corporation  
 University at Buffalo  
 University of Georgia (UGA)  
 University of North Carolina (UNC)  
 Veterans Health Administration (VHA)  
 Western Kentucky University (WKU)

## INTERNATIONAL PARTNERS

European Agency for Safety and Health at Work (EU OSHA)  
 Finnish Institute of Occupational Health (FIOH)  
 International Commission on Occupational Health (ICOH)  
 ISSA – The Worldwide Cleaning Industry Association  
 International Social Security Association (ISSA)  
 Pan American Health Organization (PAHO)  
 World Health Organization (WHO)  
 Work Wellness and Disability Prevention Institute (WW DPI)

## NIOSH CENTERS OF EXCELLENCE FOR TOTAL WORKER HEALTH

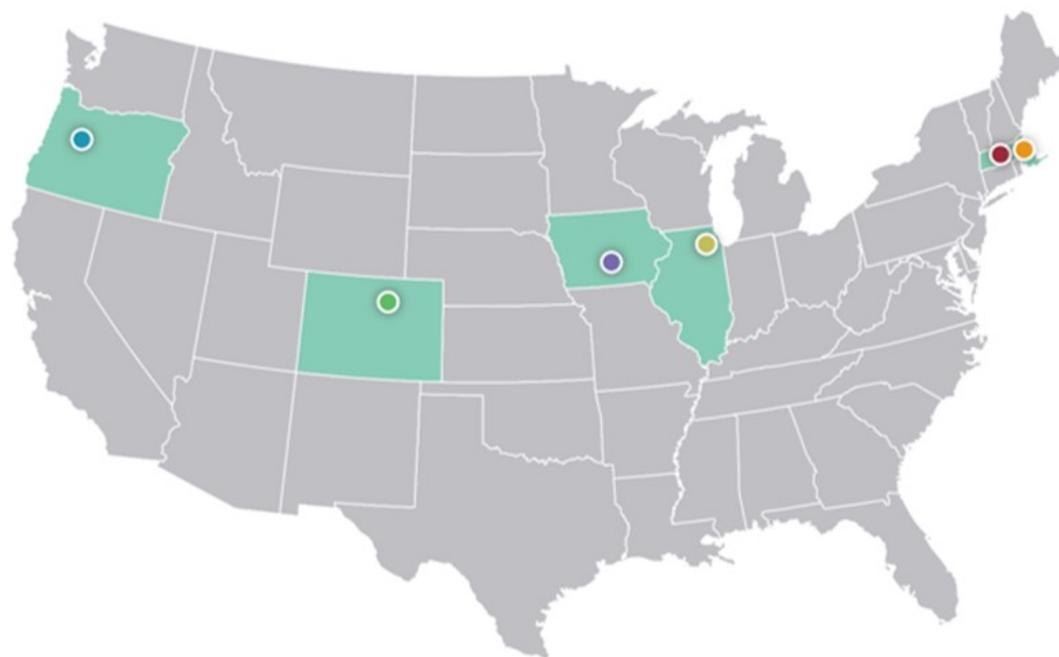
Center for the Promotion of Health in the New England Workplace  
 Center for Work, Health, and Environment  
 Harvard T.H. Chan School of Public Health Center for Work, Health, and Well-being  
 Oregon Healthy Workforce Center  
 University of Illinois-Chicago Center for Healthy Work  
 University of Iowa Healthier Workforce Center of the Midwest

## CONFERENCE PLANNING COMMITTEE

L. Casey Chosewood, MD, MPH, Chair  
 Adele Childress, PhD, MSPH, Co-Chair  
 Chia-Chia Chang, MPH, MBA  
 Tamekia Evans, MPH  
 Constance Franklin, MPA  
 CDR Heidi Hudson, MPH  
 Sarah Mitchell, MPH  
 Jim Newhall, PhD  
 Jeannie Nigam, MS  
 Kellie Pierson, MS  
 Reid Richards, BS  
 Steve Sauter, PhD  
 Mary Ann Sondrini, EdM  
 Sara Tamers, PhD, MPH  
 Donjanea Williams, EdD

## NIOSH CENTERS OF EXCELLENCE FOR *TOTAL WORKER HEALTH*<sup>®</sup>

NIOSH funds six Centers of Excellence (Centers) to conduct research on the concepts of *Total Worker Health*. The Centers advance knowledge by building the scientific evidence base through research and practice that aims to improve the overall safety, health, and well-being of the diverse population of workers in our nation. The Centers use multidisciplinary research projects, including intervention-focused research, outreach and education, and evaluation activities to improve our understanding of which solutions work. The Centers' research examines the integration of occupational safety and health protection with workplace policies, programs, and practices to advance worker safety, health and well-being.



|                                                                           |                                                                                     |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Oregon Healthy Workforce Center (OHWC)                                    | Center for the Promotion of Health in the New England Workplace (CPH-NEW)           |
| University of Iowa Healthier Workforce Center of the Midwest              | The Harvard T.H. Chan School of Public Health Center for Work, Health, & Well-being |
| University of Colorado, CU Anschutz Center for Health, Work & Environment | University of Illinois Chicago Center for Healthy Work                              |

The Centers of Excellence are crucial to gaining knowledge that can help workers, employers, and communities. Scientists at the Centers, along with their partners in government, business, labor, and community are the conduits for research-to-practice efforts that hold promise to impact the health and productivity of the American worker. Because the TWH approach is so comprehensive, innovative and transdisciplinary thinking is needed to inform current policies, programs and practices. The Centers are uniquely qualified to be among the nation's thought leaders. The contingent workforce, the changing nature of work, low wage workers, shift work, fatigue, and workforce diversity are examples of the variety of important topics that the Centers are addressing—all of which will help workers, employers, and communities.

# NIOSH *TOTAL WORKER HEALTH*® 9

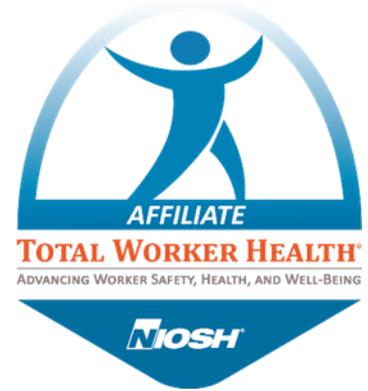
## AFFILIATE PROGRAM

The mission of the NIOSH Total Worker Health Affiliate Program is to foster an integrated approach to protecting and promoting worker well-being through collaborations with nonprofit academic, labor, nonprofit, and government organizations.

### Current Affiliates

Agrisafe Network  
American Association of Occupational Health Nurses  
American College of Preventive Medicine  
American Industrial Hygiene Association  
Association of Occupational and Environmental Clinics  
Association of Occupational Health Professionals in Healthcare  
Communications Workers of America  
Dartmouth-Hitchcock Medical Center  
Eskenazi Health  
HealthPartners Institute  
Industrial Minerals Association – North America  
Interdisciplinary Center for Healthy Workplaces, University of California, Berkeley  
International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers  
Kentucky Injury Prevention and Research Center  
Laborers' Health & Safety Fund of North America  
Labor Occupational Health Program, University of California, Berkeley  
Mt. Sinai Entities

National Aeronautics and Space Administration  
National Institutes of Health  
National Safety Council  
National Security Agency  
Nebraska Safety Council  
Northern Kentucky University  
Ohio Bureau of Workers' Compensation  
SAIF Corporation  
Society for Occupational Health Psychology  
St. Louis Area Business Health Coalition  
University at Buffalo  
University of California-Irvine Center for Occupational and Environmental Health  
University of Georgia  
University of Michigan  
University of North Carolina, Chapel Hill  
Valley Health Alliance  
Veterans Health Administration  
Western Kentucky University



The Affiliate Program seeks to:

1. Increase the visibility, uptake, and impact of Total Worker Health (TWH) approaches to advance the safety, health and well-being of workers through NIOSH assistance to Affiliates.
2. Attract and assist new collaborators to enrich and broaden current NIOSH TWH translational research.
3. Attract and work with new collaborators to enrich and broaden current NIOSH TWH practice and dissemination efforts.
4. Publicly recognize the contributions of the Affiliates to the development and dissemination of TWH research and practice.

Affiliates include:

- Nonprofit academic institutions
- Labor organizations
- Public sector entities, such as Federal, state, or local government agencies
- Nonprofit associations interested in worker safety, health, and well-being

### Potential Activities

Affiliates and NIOSH may consider the following collaborations:

- conduct joint research
- develop programs, interventions, and other work-products
- cross-promote individual and joint activities
- collaborate on seminars, meetings, trainings, and educational events
- create and disseminate publications and other communication products

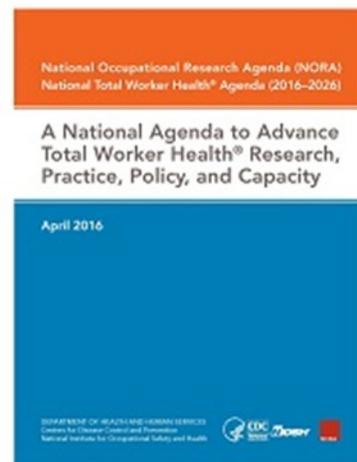
# TOTAL WORKER HEALTH® HIGHLIGHTS

Since its inception in 2011, the NIOSH *Total Worker Health*® Program has been leading efforts to advance worker safety, health, and well-being. Through research, partnerships and collaborations, workforce development, and research translation and communication, *Total Worker Health* approaches are impacting communities and workplaces. To highlight these innovative efforts, we're pleased to showcase a few of the program's accomplishments:

## National *Total Worker Health*® Agenda (2016-2026)

The [National \*Total Worker Health\*® Agenda](#) (*Agenda*) is a National Occupational Research Agenda (NORA) intended to define and prioritize occupational safety and health research, practice, and prevention activities related to Total Worker Health (TWH) for 2016-2026. The *Agenda* articulates a variety of strategic goals, intermediate goals, and activity/output goals within the domains of Research, Practice, Policy, and Capacity-Building.

By investing in research and transferring this research into practice, the long-term vision of Total Worker Health is to protect the safety and health of workers and to advance their well-being by creating safer and healthier work environments, and addressing employment-related issues. This vision will be achieved through knowledge generation, translation of that knowledge into practice, development of policy guidance, and building workforce capacity. Creation of a national *Agenda* is an important step toward making this vision a reality.



## Fundamentals of *Total Worker Health*® Approaches: Essential Elements for Advancing Worker Safety, Health, and Well-Being

The workbook, [Fundamentals of \*Total Worker Health\*® Approaches: Essential Elements for Advancing Worker Safety, Health, and Well-being](#), prioritizes a hazard-free work environment for all workers and applies a modern prevention approach—consistent with traditional occupational safety and health prevention principles—that recognizes job-related factors can have an important impact on the well-being of workers, their families, and their communities. This workbook will help you develop new TWH initiatives or better align existing workplace interventions with the TWH approach. The workbook focuses on five Defining Elements of TWH:

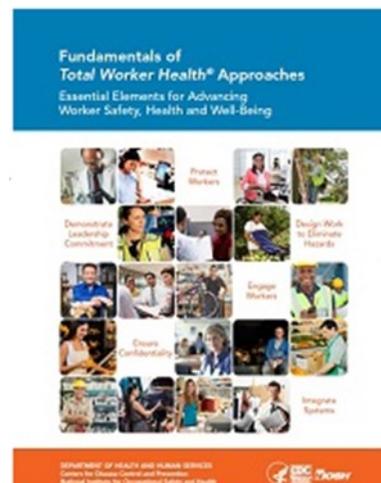
**Defining Element of TWH 1:** Demonstrate leadership commitment to worker safety and health at all levels of the organization.

**Defining Element of TWH 2:** Design work to eliminate or reduce safety and health hazards and promote worker well-being.

**Defining Element of TWH 3:** Promote and support worker engagement throughout program design and implementation.

**Defining Element of TWH 4:** Ensure confidentiality and privacy of workers.

**Defining Element of TWH 5:** Integrate relevant systems to advance worker well-being.



## Operationalizing Well-Being Project with RAND Corporation

The aim of a TWH approach is to advance worker well-being. However, there is no consistent definition for the concept of worker well-being nor tools for measuring overall worker well-being. NIOSH and the RAND Corporation are collaborating to develop a framework and operationalize indicators for worker well-being. The initiative started with a multi-disciplinary literature review, resulting in a proposed framework that recognizes worker well-being as a subjective and objective phenomenon inclusive of experiences both within and beyond work contexts. Based on this framework and engagement with an expert panel, NIOSH and RAND have developed a provisional definition of worker well-being and are preparing a survey instrument to measure worker well-being. After pilot testing and revisions, the instrument will be available for public use. Researchers hope the tool will be valuable to employers, researchers, policymakers, workers, and communities to assess workforce well-being.

## DAY 1 – TUESDAY - MAY 8, 2018

**Arrival and Registration** 7:30 am (Please allow time for Security Check In) Lobby

**PRE-SYMPOSIUM WORKSHOPS** 8:30 am – 12:00 pm Concurrent – Choose One

The Healthiest NIOSH Experience: The Essential Roadmap to Developing Your Own *Total Worker Health*® Program – Room E1

Meeting the Challenge of Engagement in Participatory *Total Worker Health*® Initiatives – Room E2

Productive Aging and Work: A Framework for Creating an Age-Friendly Workplace – Room F1

Engaging Small and Mid-Sized Enterprises to Apply *Total Worker Health*® Approaches through a Community-based Program – Room F2

Addressing Future Workforce Needs through *Total Worker Health*® – Room G1/G2

Hot Topics in Economics: Non-Standard Work and Health-Related Quality of Life – Room C1/C2

**Lunch Break** 12:00 – 1:00 pm

11:00 am - 2:15pm – Seated Massages (first come, first served) Conference Room A

12:00 - 1:30 pm – Quick Fit Check Health and Well-being Activity (first come, first served) Conference Room B

**OPENING SESSION** 1:00 – 3:10 pm Auditorium

**WELCOME AND OPENING REMARKS** 1:00 pm

Greeting from the NIOSH Office for *Total Worker Health*® – L. Casey Chosewood, MD, MPH, Director

Greeting from National Institutes of Health (NIH) – Lawrence Tabak, DDS, PhD, Principal Deputy Director

Greeting from the National Institute for Occupational Safety and Health (NIOSH) – John Howard, MD, MPH, JD, LLM, MBA, Director

Greeting from the Surgeon General of the United States – VADM Jerome M. Adams, MD, MPH

**OPENING SESSION KEYNOTE SERIES** 1:30 – 3:10 pm Session Chair: L. Casey Chosewood Auditorium

1:30 – 2:00 pm **The International Reach of *Total Worker Health*®** - Professor Dame Carol Black, DBE, FRCP, FMedSci

2:05 – 2:35 pm **Blue Zones: Exploring Secrets of a Long Life** - Tony Buettner

2:40 – 3:10 pm **Global Challenges for Safety, Health and Well-being at Work: New Strategic Responses** – Hans-Horst Konkolewsky

3:20 – 3:45 pm – Tabata Training Health and Well-being Activity Conference Room B

**PLENARY SESSION I** 3:45 – 5:30 pm Session Chair: Sara Tamers Auditorium

**TWH Intervention Strategies: What Works for the Centers of Excellence?** W. Kent Anger, PhD, Oregon Health & Science University – Moderator; Features Directors from All 6 NIOSH Centers of Excellence for *Total Worker Health*®

5:30 pm **Conclusion - Day One**

# AGENDA (CONTINUED)

## DAY 2 – WEDNESDAY - MAY 9, 2018

- Arrival and Registration** 7:30 am (Please allow time for Security Check In) Lobby
- 8:00 – 8:30 am **Vinyasa Yoga Health and Well-being Activity** Conference Room A
- POSTER SESSION** 8:00 – 9:30 am (posters available for viewing the entire day) Balcony Atrium
- 9:00 – 9:30 am **Morning Refreshment break & Total Body Blast Health and Well-being Activity** Conference Room A
- PLENARY SESSION II** 9:30 – 11:30 am Session Chair: Jeannie Nigam Auditorium
- 9:30 – 10:00 am **WEDNESDAY KEYNOTE - Worker Well-being and High Performance Workplaces: Two Sides of the Same Coin** - Kimberly Jinnett, PhD
- 10:00 – 10:30 am An Introduction to NIOSH’s Healthy Work Design and Well-being Research
- 10:30 – 11:00 am What Can We Learn about *Total Worker Health*® from National Worker Surveys
- 11:00 – 11:30 am Findings from CDC’s Workplace Health in America Survey
- 11:00 am – 2:15 pm - Health and Well-being Activities Offered Throughout MIDDAY**
- 11:00 – 2:15 **Seated Massages (first come, first served)** Conference Room A
- 11:45 – 12:15 **Well-being Heart Walk Meet at Registration table**
- 11:45 – 12:15 **Line Dancing (TBD)**
- 12:00 – 1:30 **Quick Fit Check (first come, first served)** Conference Room B
- Lunch Break** 11:30 am – 1:00 pm
- 11:45 am – 12:45 pm **Chat ‘n Chew (Optional Lunchtime Tutorials - Concurrent Sessions - Choose 1)**
- Global Partnerships in Total Worker Health: Lessons Emerging from Guatemala, Chile, and India – *Room E1/E2*
- 2017 Key Findings from the Work-Life Survey of the Federal Workforce – *Room C1/C2*
- CONCURRENT SESSIONS** 1:00 - 5:15 pm
- 1:00 – 2:15pm **Concurrent Session 1**
- Total Worker Health*® Strategies for Preventing Acute and Chronic Diseases - Auditorium
- Workers’ Challenges and Solutions in Transportation - Balcony A
- Total Worker Health*® and Healthy Aging in the Workplace– Balcony B
- Exploring Workplace and Policy Landscapes – Balcony C
- Novel Approaches in Fatigue Management - Room E1/E2
- Approaches for *Total Worker Health*® Implementation and Translation - Room F1/F2

2:15 – 2:30 pm – **Gentle Stretch Health and Well-being Break and Activity** Conference Room B

2:30 – 3:45 pm **Concurrent Session 2**

- 2.1 Strategies for Returning to Work- Auditorium
- 2.2 Issues in Mental Health and Stress in the Workplace – Balcony A
- 2.3 Intergenerational Perspectives – Balcony B
- 2.4 Small Businesses, Big Impact I – Balcony C
- 2.5 Healthy Workplace Programs – Room E1/E2
- 2.6 Strategies for Opioid and other Substance Abuse Programs – Room F1/F2

3:45 – 4:00 pm – **Desk Exercise or Occupational Exercise Health and Well-being Break and Activity** Conference Room B

4:00 – 5:15 **Concurrent Session 3**

- 3.1 Workforce Development Panel: Lessons Learned and Next Steps - Auditorium
- 3.2 *Total Worker Health*® Approaches in Agricultural Communities – Balcony A
- 3.3 Addressing First Responder and Firefighter Safety, Health, and Well-Being – Balcony B
- 3.4 People and Places: The Built Environment’s Influence – Balcony C
- 3.5 Implementing *Total Worker Health*® in the Workers’ Compensation Setting – Room E1/E2
- 3.6 Case Studies in Manufacturing Settings – Room F1/F2

5:15 pm **Conclusion - Day Two**

## DAY 3 – THURSDAY- MAY 10, 2018

**Arrival and Registration** 7:30 am (Please allow time for Security Check In) Lobby

7:30 – 8:30 am **PiYo Live Health and Well-being Activity Offered for Those Arriving Early** Conference Room A

**PLENARY SESSION III** 8:30 - 10:00 am Session Chair: Paul Schulte Auditorium

8:30 – 9:00 am - An Expanded Focus for Occupational Safety and Health

9:00 – 9:30 am Workplace Health Promotion: Negotiating the Ethical Tightrope

9:30 – 10:00 am – **THURSDAY KEYNOTE - What Science Can Tell Us about Living Well: Lessons from an 80-Year**

**Longitudinal Study** - Robert Waldinger, MD

10:00 – 10:30 am – **Mat Pilates Health & Well-being Break and Activity** Conference Room A

**PLENARY SESSION IV** 10:30 am – 12:00 pm Session Chair: Steve Sauter Auditorium

# AGENDA (CONTINUED)

10:30 – 11:15 am Partnering into Practice: Research Practice Partnerships for *Total Worker Health*<sup>®</sup>

11:15 am – 12:00 pm Applying *Total Worker Health*<sup>®</sup> Approaches in the Dynamic Construction Industry

11:00 am – 2:15 pm **Health and Well-being Activities Offered Throughout the Midday**

**Lunch Break 12:15 – 1:15 pm**

12:15 – 1:00 pm **Chat 'n Chew** (Optional Lunchtime Tutorial) Room G1/G2

Influence of Work Organization and Environment on Health Behaviors of Construction Apprentices

## **Well-being Campaign - INTERNATIONAL SOCIAL SECURITY ASSOCIATION – ISSA 1:15 – 5:30 pm - Auditorium**

Session organized by the ISSA Special Commission on Prevention and the ISSA Secretariat (**Concurrent Sessions 4.1, 5.1, and 6.1**)

### **Part 1: ISSA Vision Zero Campaign Launch for North America**

1:15 – 1:25 pm NIOSH Welcome Address

1:25 – 1:35 Welcome Address: Vision Zero in a changing world of work - International Social Security Association (ISSA President)

1:35 – 1:40 Introduction of ISSA and its Special Commission on Prevention

1:40 – 1:55 Launch of the North American Vision Zero campaign

1:55 – 2:05 Presenting Vision Zero certificates

### **Part 2: Vision Zero Companies and Partner**

2:05 – 3:10 Impulse Presentations and Panel Discussion

3:05 – 3:35 **Coffee Break**

### **Part 3: Vision Zero Partners**

3:35 – 4:50 Vision Zero Partner Presentations and Panel Discussion

### **Part 4: German and US Experiences: Vision Zero and its 7 Golden Rules in Practice**

4:50 – 5:15 German and US Experiences: Vision Zero and its 7 Golden Rules in Practice

### **Part 5: Closing**

5:15 – 5:30 (end) Moving forward – Closing statement

## **CONCURRENT SESSIONS 1:15 – 5:30 pm (CHOOSE 1 OFFERING FROM EACH SESSION)**

1:15 – 2:30 pm **Concurrent Session 4**

4.2 Healthier Federal Workers - **Balcony A**

4.3 Integrating *Total Worker Health*<sup>®</sup> Practices into Healthcare Settings – **Balcony B**

4.4 Integrated Approaches to Prevention - **Balcony C**

4.5 Small Businesses, Big Impact II - **Room E1/E2**

4.6 Applying New Data Sources and Metrics to Assess the Relationship between Work and Health - **Room F1/F2**

**Health and Well-being Break and Activity 2:30 - 3:00 pm**

2:45 – 4:00 pm **Concurrent Session 5**

5.2 Methods for *Total Worker Health*<sup>®</sup> Research - **Balcony A**

5.3 Workforce Health is Population Health – **Balcony B**

5.4 Health and Well-being Challenges and Interventions for Correctional Workers - **Balcony C**

5.5 Community Integration and Collaborations with Health Departments - **Room E1/E2**

**Health and Well-being Break 4:00 – 4:15 pm**

4:15 – 5:30 pm **Concurrent Session 6**

6.2 Preventing Violence in the Healthcare Setting - **Balcony A**

6.3 Strategies for Healthier Work – **Balcony B**

6.4 Practical Applications of *Total Worker Health*<sup>®</sup> - **Balcony C**

6.5 Novel *Total Worker Health*<sup>®</sup> Measurement Strategies - **Room E1/E2**

5:30 pm **Conclusion - Day Three**

## DAY 4 – FRIDAY - MAY 11, 2018

8:00 am Arrival and Healthy Activities (Please allow time for Security Check In) Lobby

8:00 – 9:00 am Health and Well-being Activity Offered for Those Arriving Early

**PLENARY SESSION V** 9:00 am – 12:00 pm Session Chair: Chia-Chia Chang Auditorium

9:00 – 10:00 am Spotlight on the *Total Worker Health*® Affiliates Network

10:00 – 10:45 am Mental Health in the Workplace: A Call to Action

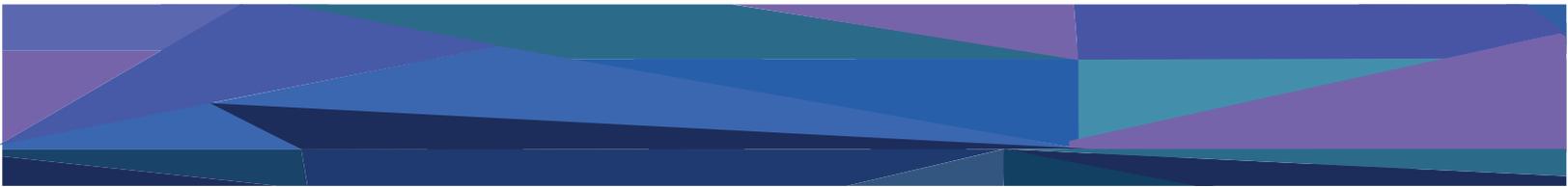
10:45 – 11:30 am *Total Worker Health*® at Dow Chemical: Innovations to Optimize Worker Health

11:30 am – 12:00 pm “Working on Empty”: A Documentary Film Screening and an Introduction to the Healthy Work Campaign

**Total Worker Health 2018 SPECIAL RECOGNITION CEREMONY** 12:00 – 12:15 pm Auditorium

**CLOSING REMARKS AND A CALL TO ACTION** 12:15 pm

12:30 pm Conclusion of the 2018 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*®



# PRESYMPOSIUM WORKSHOPS

TUESDAY, MAY 8<sup>th</sup>, 8:30am-12:00pm

## 1. The HealthiestNIOSH Experience: The Essential Roadmap to Developing Your Own *Total Worker Health*<sup>®</sup> Program - Room E1

*Constance Franklin, MPA, NIOSH Office for Total Worker Health*

*Kellie Pierson, MS, NIOSH Office for Total Worker Health*

“Hey NIOSH! You talk a good game, but what do you do for your own employees?” This educational experience is designed for those responsible for worker health, safety and/or well-being programs within their own workforce who already have a basic understanding of the *Total Worker Health*<sup>®</sup> concept. In this workshop, you will hear from the NIOSH experts who lead the internal *Total Worker Health*<sup>®</sup> program for their own NIOSH workforce. They will describe the origins, expansion and future of their national efforts to improve the safety, health and well-being of their internal 1000+ member work team. During this interactive session, they will explain how they have successfully integrated worksite safety and health programs at NIOSH to improve overall employee outcomes. From start-up to daily operations and evaluation, the session will cover their organizational assessment, establishment of the HealthiestNIOSH Advisory Committee, and a host of interventions and trainings developed to support the effort. An overview of the CDC workplace health initiatives and resources will also be provided. To give a multi-faceted perspective of other integrated TWH programs, the workshop will also take a brief look at Promising Practices from other companies and organizations. Attendees will have the opportunity to build their own TWH intervention and get group and expert feedback on individual challenges and opportunities.

## 2. Meeting the Challenge of Engagement in Participatory *Total Worker Health*<sup>®</sup> Initiatives – Room E2

*Suzanne Nobrega, MS, Outreach Director, Center for the Promotion of Health in the New England Workplace (CPH-NEW), University of Massachusetts Lowell*

*Michelle Robertson PhD, CPE, Executive Director, Office Ergonomics Research Committee and CPH-NEW Research Affiliate*

*Rob Henning, PhD, Associate Professor, Center for the Promotion of Health in the New England Workplace (CPH-NEW), University of Connecticut*

*Jaime Strickland, MA, Clinical Research Supervisor, Healthier Workforce Center of the Midwest, Washington University in St. Louis*

*University of Illinois at Chicago (UIC) Center for Healthy Work*

The goal of this workshop is to offer practices, approaches, theories and models for engaging communities, organizations, employers, and employees in participatory *Total Worker Health*<sup>®</sup> (TWH) initiatives, for immediate application by researchers and practitioners. Each Center will describe a current project and demonstrate one or more tools used to ensure active learning and participation by attendees. In a concluding discussion, presenters will explore with workshop attendees common principles and approaches as well as some of the barriers that make such work challenging.

At the conclusion of this event, participants will:

- Understand how TWH principles are used to guide the creation and development of participatory programs
- Develop a working familiarity with the use of a set of tools and toolkits for engaging individuals from either communities or workplaces in the design of TWH activities or interventions
- Learn about techniques used to apply TWH principles in participatory action research, including tips that ensure successful implementation efforts
- Recognize potential obstacles to participatory TWH programs
- Learn how assessment of organizational readiness can be used to proactively overcome obstacles to participatory TWH initiatives

### 3. Productive Aging and Work: A Framework for Creating an Age-Friendly Workplace – Room F1

*James Grosch, PhD, NIOSH National Center for Productive Aging and Work*

*Harpriya Kaur, PhD, MPH, NIOSH National Center for Productive Aging and Work*

*Juliann Scholl, PhD, NIOSH National Center for Productive Aging and Work*

Workers 55 or older are increasing in number, and will account for nearly 25% of the labor force in 2024. The aging and age diversity of the U.S. workforce has implications for the safety and health of all workers. Workplaces are increasingly adapting to the needs of aging workers, which involves training and interventions that address workplace and task design, flexible schedules, ergonomics, and protections against age discrimination.

NIOSH established the National Center for Productive Aging & Work (NCPAW), hosted by the Office for *Total Worker Health*<sup>®</sup>. An important part of the center's mission is advancing the concept of *productive aging*, which involves providing a safe and healthy work environment for workers *of all ages*, and creating conditions which allow workers to function optimally regardless of their age. Productive aging takes a comprehensive, integrated approach to understanding the aging process across the life span, including the physical, mental, and social aspects of a worker's well-being. NCPAW's approach to productive aging includes four attributes: (1) a life-span perspective, (2) a comprehensive and integrated framework, (3) outcomes that recognize the priorities of both workers and organizations, and (4) a supportive work culture for multi-generational issues.

Through lecture, case studies, and interactive exercises, this workshop will describe the concept of productive aging and present evidence-based methods for facilitating age-friendly workplaces. The workshop will utilize the *work ability* framework, first developed by the Finnish Institute of Occupational Health. Work ability is the capacity for workers to continue doing their jobs given adequate resources and proper working conditions. The workshop will provide goal-setting frameworks based on the work ability model that illustrate how workplaces can meet the needs of all workers as they age. The workshop also will offer tools and strategies that encourage a culture of health that facilitates intergenerational collaboration and support.

### 4. Engaging Small and Mid-Sized Enterprises to Apply *Total Worker Health*<sup>®</sup> Approaches through a Community-based Program - Room F2

*Liliana Tenney, MPH, Center for Health, Work & Environment*

*Lee Newman, MD, MA, Center for Health, Work & Environment*

*Natalie Schwatka, PhD, Center for Health, Work & Environment*

*Joshua Scott, MS, Center for Health, Work & Environment*

*Kaylee Rivera, MPH, Center for Health, Work & Environment*

In total, 89.9% of workers globally are employed by small and medium sized enterprises (SMEs). Recent studies suggest that small employers face significant challenges in efforts to promote health and safety. Overall, there has been limited research on the adoption and effectiveness of interventions to improve worker health, safety and well-being in SMEs. Health Links is a community-based intervention applying a *Total Worker Health*<sup>®</sup> (TWH) approach.

Through the Health Links<sup>™</sup> program, presenters from the University of Colorado collaborate with employers to build a culture of health and safety in the workplace. They assess organizations' policies and programs, offer evidence-based recommendations in one-on-one advising sessions, connect employers with local resources, and certify qualifying employers as Healthy Businesses. In this presentation, they will discuss why *Total Worker Health*<sup>®</sup> (TWH) in small business matters and the innovative Health Links approach to engage employers to integrate TWH as part of their business strategy. Speakers will present case studies and research methods for evaluating practical TWH interventions. This interactive workshop will describe the Health Links approach for engaging and assessing TWH in businesses, training methods, dissemination strategies, and evaluation to measure impact at both the organizational and employee levels.

# PRESYMPOSIUM WORKSHOPS (CONTINUED)

## 5. Addressing Future Workforce Needs through *Total Worker Health*® - Room G1/G2

*Chia C. Chang, MPH, MBA, Public Health Analyst, NIOSH Office for Total Worker Health®*

*Sara L. Tamers, PhD, MPH, Scientist, NIOSH Office for Total Worker Health®*

To address the future needs of the workforce and changing employment patterns, an integrated approach is needed for worker safety, health, and well-being. During this session, members of the CDC National Institute for Occupational Safety and Health (NIOSH) Office for *Total Worker Health*® will explain workplace policies, programs, and practices to improve overall employee outcomes. All attendees are welcome; this session will be particularly well-suited to those who are newly learning about Total Worker Health (TWH). Specifically, the presenters will:

Provide an overview of future issues relevant to advancing worker safety, health, and well-being;

Discuss the rationale for and value of an integrated approach;

Describe the fundamentals of *TWH* programs; and

Facilitate hands-on group problem solving for worker safety and health challenges.

## 6. Hot Topics in Economics: Non-Standard Work and Health-Related Quality of Life – Room C1/C2

*Tapas K. Ray, PhD, NIOSH Economic Research and Support Office (ERSO)*

*Brian Quay, MS, ERSO*

*Abay Asfaw, PhD, ERSO*

*Anasua Bhattacharya, PhD, ERSO*

Non-standard work arrangements add complexity to research and the delivery of programs related to *Total Worker Health*®. Non-standard work arrangements also represent one of the three research priorities of the NIOSH Healthy Work Design and Well-being (HWD) cross-sector. HWD reflects the common focus of Economics, Work Organization and Stress-related Disorders, and *Total Worker Health*®. Non-standard work arrangements are under-studied but seem to be increasingly prevalent. Their determinants and their effects on health and health-related quality of life (HRQL) are poorly understood.

Work arrangement is a broad term encompassing many aspects of a job or a more general pattern of work that spans multiple jobs. Different sources refer to non-standard work arrangements by different names but they are all characterized by temporariness, instability, irregularity, and lack of legal protections and social and financial benefits for workers. This, in turn, may affect worker safety, health, and well-being. Within non-standard work arrangements, different data sources commonly categorize workers as independent contractors, on-call workers, workers paid by a temporary agency, or those whose employers contract their services out to another employer on a longer-term basis.

This workshop will describe the NIOSH initiative on non-standard work arrangements as well as the research challenges presented by this topic. The workshop will include interactive exercises and a case study to help participants understand how to assess the characteristics of U.S. workers in non-standard arrangements, the effect of work arrangement on job stress, and the association between job stress and HRQL by work arrangement.

TUESDAY, MAY 8, 2018 | 1:00-3:15 PM | AUDITORIUM

### Welcome and Opening Remarks

Greeting from the NIOSH Office for *Total Worker Health*<sup>®</sup> – *L. Casey Chosewood, MD, MPH, Director*

Greeting from National Institutes of Health (NIH) – *Lawrence Tabak, DDS, PhD, Principal Deputy Director*

Greeting from the National Institute for Occupational Safety and Health (NIOSH) – *John Howard, MD, MPH, JD, LLM, MBA, Director*

Greeting from the Surgeon General of the United States – *VADM Jerome M. Adams, MD, MPH*

### Opening Session Keynote Series

Session Chair: L. Casey Chosewood, MD, MPH, Director, NIOSH Office for Total Worker Health

**The International Reach of *Total Worker Health*<sup>®</sup>** – *Professor Dame Carol Black DBE, FRCP, FMedSci, Principal of Newnham College Cambridge and Expert Adviser on Health and Work to NHS England and Public Health England*

Integrating traditional occupational safety and health protection programs with the wider determinants of health in the workplace – stress, quality of management and leadership, autonomy, flexibility, etc. – is not easy to achieve, and many barriers especially cultural ones must be overcome. The lecture will take an international lens and look at progress around the world in achieving this highly desirable goal. Total Worker Health, when properly embedded, improves the well-being not only of workers but also of their families, communities and the economy.

**Blue Zones: Exploring the Secrets of a Long Life** – *Tony Buettner, Senior Vice President of Business Development at Blue Zones*

Tony Buettner has first-hand knowledge of the Blue Zones — places that have the greatest life expectancy and where more people reach age 100 than anywhere else in the world. Tony is VP of Business and Product Development for Blue Zones Project and is responsible for taking the Blue Zones' lessons to 39 communities in 9 states, impacting over 2 million people's health across the United States. Using National Geographic photography and a dynamic, storytelling delivery, Tony will take you to these longest-lived cultures, sharing his observations from the field, and will provide you with ideas to immediately increase your own healthy longevity and well-being.

**Global challenges for safety, health and wellbeing at work – new strategic responses** – *Mr. Hans-Horst Konkolewsky, Secretary General of the International Social Security Association (ISSA)*

The world of work is experiencing dramatic changes due to globalization, demographic aging and the emerging digital economy, which bring about new challenges for the safety, health and well-being of the workforce.

In addition to the traditional, collective prevention concepts, which mainly have focused on accident risks, more integrated, person centered prevention approaches are needed to reduce negative work related health outcomes, to strengthen employability and prevent exclusion from work.

The ISSA's three-dimensional prevention approach including risk prevention, health promotion, and rehabilitation provides workers' compensation systems with practical tools to improve their proactive and preventive capacities in this respect, while a newly launched global Vision Zero campaign aims at motivating businesses to build a strong workplace prevention culture based on a roadmap with 7 golden rules.

# PLENARY SESSIONS

## Plenary Session I

TUESDAY, MAY 8, 2018 | 3:45-5:30 PM | Auditorium

Session Chair: Sara L. Tamers, PhD, MPH, Scientist, NIOSH Office for *Total Worker Health*®

### TWH Intervention Strategies: What Works for the Centers of Excellence?

Moderator: W. Kent Anger, PhD, Oregon Health & Science University

*Jack Dennerlein, PhD, Northeastern University and Harvard T.H. Chan School of Public Health*

*Diane S. Rohlman, PhD, University of Iowa*

*Martin Cherniack, MD, MPH University of Connecticut*

*Leslie B. Hammer, PhD, MPH, Oregon Health & Science University*

*Lee Newman, MD, MA, FACOEM, FCCP, Colorado School of Public Health*

*Lisa M. Brosseau, ScD, University of Illinois at Chicago*

The six NIOSH Total Worker Health Centers of Excellence have introduced interventions in numerous organizations that have successfully improved workplace safety, health and well-being. The session will highlight the different intervention strategies used by each Center to accomplish those improvements, and describe exemplary changes produced.

- Upon completion, participants will be able to identify 6 different overarching themes that can guide the development on interventions.
- Upon completion, participants will be able to identify 6 different strategies that have produced workplace change.
- Upon completion, participants will be able to identify specific intervention methods that have been successful in improving safety, health and well-being in the workplace.

## Plenary Session II

WEDNESDAY, MAY 9, 2018 | 9:30-11:30 AM | Auditorium

Session Chair: Jeannie A.S. Nigam, MS, Research Psychologist, National Institute for Occupational Safety and Health

### Wednesday Keynote: Worker Well-being and High Performance Workplaces: Two Sides of the Same Coin

*Kimberly Jinnett, PhD, Research Director of the Center for Workforce Health and Performance and Secretary/Treasurer of the CWHP Board*

9:30-10:00 am.

It is common knowledge that work impacts well-being and there is a large body of evidence supporting this assertion. What is less widely known is the degree to which well-being impacts work. This presentation will review the existing evidence on the importance of employee well-being to business performance and recommend practical steps to help workers, managers, senior leaders and policy makers better connect well-being and work.

### An Introduction to NIOSH's Healthy Work Design and Well-being Research 10:00 - 10:30 am

*Naomi G. Swanson, PhD, Supervisory Research Psychologist, National Institute for Occupational Safety and Health*

*Rene Pana-Cryan, PhD, Director, NIOSH Economic Research and Support Office*

*L. Casey Chosewood, MD, MPH, Director, NIOSH Office for Total Worker Health®*

Using a conversational Q&A approach, the chairs of NIOSH's Healthy Work Design and Well-being research cross-sector will discuss the significance of and rationale for this new cross-sector's focus on healthy work design to improve all

aspects of work, while reducing the occupational safety and health risks workers face. The session will address key questions about establishing a research direction for the new cross-sector program as well as the value of bringing together three distinct but complementary programs at NIOSH to create new synergies and new opportunities. The audience will get a preview of the cross-sector's national research-to-practice priorities and find out how to personally engage in the effort.

The new cross-sector is part of the National Occupational Research Agenda (NORA), a partnership program to stimulate innovative research and improved workplace practices. Unveiled in 1996, NORA is now entering its third decade (2016-2026) with an enhanced structure. The Agenda focuses on worker safety and health goals for the nation within ten industry sectors, based on major areas of the U.S. economy, and seven health and safety cross-sectors (including Healthy Work Design and Well-being). The agenda is organized according to the major health and safety issues affecting the U.S. working population.

### **What Can We Learn about *Total Worker Health*® from National Worker Surveys 10:30 - 11:00 am**

*Sara E. Luckhaupt, MD, MPH, Medical epidemiologist, National Institute for Occupational Safety and Health*

*Toni Alternam, PhD, MS, MA, Senior epidemiologist, National Institute for Occupational Safety and Health*

*Chia-Chia Chang, MBA, MPH, Public Health Analyst, National Institute for Occupational Safety and Health*

*Nicole Maestas, PhD, MPP, Associate Professor of Healthcare Policy, Harvard Medical School*

*Naomi G. Swanson, PhD, Supervisory Research Psychologist, National Institute for Occupational Safety and Health*

One of the best ways to learn about how work may influence health is to survey a representative sample of workers about their jobs. Several recent national worker surveys have collected data on job characteristics, working conditions, workplace exposures, and work-related health conditions. During this presentation, a panel of researchers will provide an overview of recently conducted national worker surveys that have collected data on job characteristics and working conditions. These surveys include the Quality of Worklife module of the General Social Survey, the 2015 Occupational Health Supplement to the National Health Interview Survey, and the 2015 American Working Conditions Survey. Presenters will also discuss a worker well-being instrument that is under development.

Upon completion, participants will be able to:

- List at least three recent national population-based surveys that have collected data on job characteristics/working conditions
- Provide examples of questions from these surveys that address Total Worker Health
- Describe some key results from these surveys.

### **Findings from CDC's Workplace Health in America Survey 11:00 - 11:30 am**

*Jason Lang, MPH, MS, Team Lead for Workplace Health Programs, Centers for Disease Control and Prevention*

*Laura Linnan, ScD, Senior Associate Dean of Academic and Student Affairs, University of North Carolina School of Global Public Health*

*Laurie Cluff, PhD, Senior Research Psychologist, RTI International*

This session will present the background and key findings of the Centers for Disease Control and Prevention's (CDC) Workplace Health in America (WHA) Survey. The WHA Survey was designed to document the evidenced-based and best practice strategies and interventions that comprise a comprehensive workplace health program from a nationally representative sample of employers. We will set the stage by describing the objectives of the survey and how it differs from other workplace health surveys conducted in the past decade. We will present main findings about how employers are protecting workers' health, promoting well-being and supporting work-life integration.

- Upon completion, participants will be able to identify knowledge gaps the WHA survey addresses related to our understanding of employers' health promotion and protection offerings.
- Upon completion, participants will be able to discuss trends in the workplace health topics and types of programming employers offer.
- Upon completion, participants will be able to describe the extent to which employers of different sizes are addressing workplace risks, including stress, depression, and substance use.

# PLENARY SESSIONS (CONTINUED)

## Plenary Session III

THURSDAY, MAY 10, 2018 | 8:30-10:00am | Auditorium

Session Chair: Paul Schulte, PhD, MS, Director, Education and Information Division, National Institute for Occupational Safety and Health

### **An Expanded Focus for Occupational Safety and Health 8:30-9:00am**

*Paul Schulte, PhD, MS, Director, Education and Information Division, National Institute for Occupational Safety and Health*

Historically, the occupational safety and health (OSH) field had a clear focus to address direct links between workplace hazards and mortality, morbidity, and injury. This effort has been highly successful in reducing burden on workers, employers, and the nation. While many of the classic hazards of work still exist and need continued attention, the 21<sup>st</sup> century has more complex characteristics in terms of the nature of work, the workforce, and the workplace. The norm for work is no longer a career in one company; rather it is many jobs, and possibly many careers. The employment relationship is increasingly fragmented, often in terms of limited-term contractual agreements or other nonstandard work arrangements. Because workers have many different jobs and work arrangements they are often underemployed or unemployed and these conditions can have adverse health effects. Consequently, there is a need to think of occupational safety and health in an expanded way: broader horizontally and longitudinally. Broader horizontally means that the health of a worker and the workforce is affected not only by occupational risk factors (ORF) but also personal risk factors (PRF) and these factors not only can affect health outcomes, but also possibly influence each other. Addressing one without the other is incomplete. The interaction of ORF and PRF needs to be considered by the OSH fields and interventions need to be focused on both. OSH needs to address not only hazards in a single job but also along the whole work life continuum. This means addressing the precarious nature of work and attendant stresses and anxieties, as well as the times between jobs, where unemployment and underemployment can cause significant health problems. These conditions are also “occupational health hazards.” Clearly, a broader focus of OSH requires the consideration and application of new skills sets in the field. These include more psycho-social and economic disciplines. Protecting the workforce of today and the future requires taking a holistic view of the hazards they experience and the range of adverse effects that result. This presentation describes an expanded focus for OSH and its implications.

### **Workplace Health Promotion: Negotiating the Ethical Tightrope 9:00-9:30am**

*David M. DeJoy, PhD, Professor Emeritus, University of Georgia*

*Mari-Amanda Dyal, PhD, Assistant Professor, Kennesaw State University*

*Todd D. Smith, PhD, Assistant Professor, Indiana University*

Workplace health promotion programs (WHPPs) continue to grow in popularity in the U.S. and other developed economies. WHPPs seek to help employees stay healthy, control risks, and manage existing conditions. This all sounds good but, virtually from the very beginning, health promotion efforts in all types of settings have generated a number of ethical issues. While these issues have ebbed and flowed in prominence, they have never disappeared. Indeed, recent efforts to enhance the uptake and effectiveness of WHPPs have brought these issues back to the forefront in meaningful ways.

- Upon competition, participants should better understand that current programming priorities can serve to activate

### **Thursday Keynote: What Science Can Tell Us about Living Well: Lessons from an 80-Year Longitudinal Study 9:30-10:00 am**

*Robert Waldinger, MD, Clinical Professor of Psychiatry at Harvard Medical School, Director of the Center for Psychodynamic Therapy and Research at Massachusetts General Hospital, and Director of the Harvard Study of Adult Development*

What happens to people as they go through life? Ever wonder what it would be like to be able to look at people’s entire adult lives? Not asking older people to remember, but actually starting with them as teenagers and tracking their health and well-being until they die? The Harvard Study of Adult Development is one of the longest studies of adult life ever done. It has tracked the lives of 724 men for 80 years from the time they were teenagers into old age. This talk reviews some of the most important lessons learned from the study, and some of the implications for how we find happiness and fulfillment in our lives today.

## Plenary Session IV

THURSDAY, MAY 10, 2018 | 10:30am-12:00pm | Auditorium

Session Chair: Steve Sauter, PhD, National Institute for Occupational Safety and Health

### **Partnering into Practice: Research Practice Partnerships for *Total Worker Health*®** 10:30-11:15am

*Glorian Sorensen, PhD, MPH, Professor of Social and Behavioral Sciences, Harvard Chan School of Public Health Center for Work, Health and Well-being, Dana-Farber Cancer Institute*

*Deborah McLellan, PhD, MHS, Senior Scientist, Dana-Farber Cancer Institute and HSPH Center for Work, Health, and Well-being*

*Nico Pronk, PhD, President, HealthPartners Institute and Chief Science Officer, HealthPartners, HealthPartners Institute, HealthPartners, and Harvard University*

*Rachel Permuth, PhD, MSPH, Global Vice President of Research, Corporate Services, Sodexo*

*Eve Nagler, ScD, MPH, CHES, Senior Scientist, Dana-Farber Cancer Institute and HSPH Center for Work, Health, and Well-being*

*Emily Sparer, ScD, Postdoctoral Research Fellow, Harvard T.H. Chan School of Public Health*

The Harvard T.H. Chan School of Public Health Center for Work, Health, and Well-Being (the Center) translates research to practice through its collaborative partnerships, outreach, and education efforts, and dissemination research. For over 20 years, the Center expanded partnerships with employers, labor unions, governmental agencies, and other stakeholders, and incorporated their input into the methods and products we developed. This has been accomplished in several ways. First, each of our projects collaborates closely with employer partners, who facilitate our work and sharpen our research questions and objectives. Second, we develop tools in collaboration with partners and often pilot them in their organizations, serving both research and organizational goals and objectives. Lastly, we advance the adoption and implementation of *Total Worker Health*® (TWH) by systematically assessing our partners' needs and priorities and jointly developing capacity-building resources to assist worksites to create, implement, and evaluate TWH approaches to support organizational change. The symposia will describe collaborations the Center for Work, Health, and Well-being has built with a variety of research partners including health insurance and services vendors, food services, and firefighters. We will address practical applications of research models and tools focused on working conditions, and developed to assist organizations with evidence-based policies and practices to implementing integrated approaches to worker safety, health, and well-being. We will also showcase partnerships in different stages of using TWH approaches.

Upon completion, participants will be able to:

- Identify at least two tools to help organizations improve working conditions for safer and healthier employees.
- Outline a practical multi-level approach used in obtaining an integrated TWH assessment
- Name two challenges and solutions a public-private research partnership can face when developing a worksite health, safety and well-being intervention focused on working conditions.
- Describe how the Center's conceptual model was used to provide an evidence-based tool to help guide development of our research collaboration with firefighter community partners

### **Applying *Total Worker Health*® Approaches in the Dynamic Construction Industry** 11:15am-12:00pm

*Ann Marie Dale, PhD, Associate Professor, Washington University School of Medicine*

*W. Kent Anger, PhD, Professor, Oregon Health and Science University*

*Jack Dennerlein, PhD, Professor, Northeastern University*

*Justin Manjourides, PhD, Assistant Professor, Northeastern University*

The construction industry has specific challenges making *Total Worker Health* (TWH) approaches both necessary and innovative. Specifically, the industry is a highly dynamic work organization with significant physical hazards.

Construction workers have high rates of musculoskeletal disorders (MSDs), poor health behaviors and are at higher risk for all-cause mortality compared to workers in other industries. The projects vary from large multi hundreds of million dollar projects to small residential projects where resources are very different. Workplace-based programs will have challenges affecting worker safety and health as workers come and go on a worksite as their skills/trade is needed for short periods of time. In addition, workplaces are multiple employer worksites with different companies and their employees working next to each other under the overall direction of a general contractor and owner. Several of the TWH Centers of Excellence have research projects in the construction industry documenting and addressing these challenges, each examining different aspects of the industry.

Upon completion, participants will be able to:

- Describe differences in resources and health issues for commercial versus residential construction workers
- Describe how supervisor training and feedback lead to better work climate and worker health outcomes
- Describe work site based intervention and its effects on construction workers and the conditions of work
- Utilize specific approaches for evaluating organizational programs in workplaces with mobile workforces

# PLENARY SESSIONS (CONTINUED)

## Plenary Session V

FRIDAY, MAY 11, 2018 | 9:00am-12:00pm | Auditorium

Session Chair: Chia-Chia Chang, MBA, MPH, Team Lead, Partnerships and Collaboration Development, NIOSH Office for Total Worker Health

### **Spotlight on the NIOSH Total Worker Health® Affiliates Network 9:00-10:00am**

*Chia-Chia Chang, MBA, MPH, Team Lead, Partnerships and Collaboration Development, NIOSH Office for Total Worker Health; Cristina G. Banks, PhD, Director, Interdisciplinary Center for Healthy Workplaces; Jamie Becker, LCSW-C, Director, Health Promotion, Laborers' Health & Safety Fund of North America (LHSFNA); Sabrina Freewynn, MPH, Total Worker Health Consultant, SAIF; Robert K. McLellan, MD, MPH, FACOEM, Professor, Geisel School of Medicine at Dartmouth; Lauren Schulte, MPH, CHES, Director, Well-being & Communications, St. Louis Area Business Health Coalition; Jeffrey Smith, PhD, Chair, Department of Psychological Science, Northern Kentucky University*

NIOSH developed the *Total Worker Health*® (TWH) Affiliate network to foster an integrated approach to protecting and promoting worker well-being through collaborations with nonprofit academic, labor, nonprofit, and government organizations. Activities of TWH Affiliates include:

1. Conduct joint research to advance the TWH approach
2. Implement TWH approaches for their own workforces and clients
3. Champion the TWH approach across a variety of workplaces and in their networks
4. Collaborate on seminars, meetings, trainings, and publications

The purpose of this session is to provide a fast-paced format for six Affiliates to share their experiences with the TWH approach. Hear what it's like "in the trenches" conducting research, implementing policies and programs, developing training, and sharing promising practices related to the TWH approach.

### **Mental Health in the Workplace: A Call to Action 10:00-10:45am**

*Ron Goetzel, PhD, Senior Scientist, Johns Hopkins University*  
*Rich Mattingly, President and CEO, Luv U Project*

This session will articulate a call to action to improve mental health in the workplace. Participants include members of an Advisory Council convened by The Luv u Project and The Johns Hopkins Bloomberg School of Public Health – Department of Mental Health. The Council is comprised of experts in the field of occupational health and safety, workplace wellness, and public policy. Its recommendations include developing a Mental Health in the Workplace 1) "How to" Guide, 2) Scorecard, 3) Recognition Program, and 4) Executive Training Program.

The session will underscore the important role businesses can play in improving the health and well-being workers at individual, organizational, and policy levels. The session will include a diverse set of experts and stakeholders convened to identify practical steps toward achieving a healthy and productive workforce.

This session will offer both a scientific and humanistic rationale for better addressing the often-neglected topic of mental health in the workplace. In addition to underscoring the problem of mental illness, the panelists will discuss how to go about establishing healthy company cultures that prevent work-related stress and support the identification and treatment of mental illness.

Building cultures of health at the workplace should protect and promote health and safety, enhance performance, and reduce socially harmful behaviors. Establishing a culture of health and well-being at work creates an environment where employees feel valued, supported, and stimulated to perform at their best in work they find meaningful.

The panel will also review ideas for specific projects that emerged from the Symposium: 1) develop a mental health in the workplace "how to" guide, 2) develop a mental health in the workplace scorecard, 3) develop a mental health in the workplace recognition program, and 4) partner with a business school to establish an executive training program focused on mental health in the workplace.

Mental health and well-being at the workplace are attainable if employers follow best- and promising-practices, but there is a critical need for a centralized, concerted effort to build the evidence base, maintain information on best practices, and effectively disseminate and implement policies and practices that connects academic, government, business, and professional institutions.

Upon completion, participants will be able to:

- Identify the health, safety, and productivity consequences of poor mental health in the workplace
- Describe best practices employed at large and small businesses that have addressed mental health in the workplace
- Describe how various organizational functions (e.g., health promotion, occupational health and safety, medical, benefits, human resources, organizational development, labor relations, public affairs) can work together toward achieving a common goal of improving the health, well-being and safety of workers

**Total Worker Health® at Dow Chemical: Innovations to Optimize Worker Health** 10:45-11:30am

*Karen Millison MS, CIH, CSP, Global EH&S Improvement Project Leader, The Dow Chemical Company*

*Mark Boquet, MD, MPH, MS, FACOEM, Chief Health Officer & Director of Health Services, The Dow Chemical Company*

The Dow Chemical Company is in the early stages of implementation of a 10-year company goal on Total Worker Health (TWH) with its 3 strategic elements – Healthy Culture, Healthy Workplace and Healthy People. This goal represents a commitment to comprehensively control workplace health risks, protect workers, and improve the health of Dow people. To be successful, integrated efforts are essential, but until now health promotion and health protection efforts have been relatively independent from one another. The TWH goal is driving increased collaboration not only between the Industrial Hygiene and Health Services Expertise organizations, but it is strengthening the way these groups partner with Operations and other key stakeholders to deliver health improvements.

Subsequent presenters will each focus on the goal’s 3 strategic elements – Healthy Culture, Healthy Workplace and Healthy People - their short and longer term objectives, and the metrics in place to measure progress and impact. Results achieved so far and examples of local interventions and innovative approaches will be shared.

The session will conclude with a discussion on Dow’s efforts to promote the goal and the concepts of Total Worker Health as well as ways that individuals and teams are recognized for their efforts. Lastly, future opportunities for the initiative will be shared as Dow continues the journey to Total Worker Health.

Upon completion, participants will be able to:

- Identify a framework to incorporate TWH into your own organization.
- Describe 3-5 innovative solutions to improve worker health that may be applied to your workplace.

**“Working on Empty”: A Documentary Film Screening and an Introduction to the Healthy Work Campaign**

11:30am-12:00pm

*Peter L. Schnall, MD, MPH, Director, Center for Social Epidemiology*

*Marnie Dobson, PhD, Associate Director, Center for Social Epidemiology*

There is a large body of evidence linking work organization and work stressors to a number of health consequences including mental health (e.g., burnout and depression) and to CVD and its risk factors.

NIOSH’s TWH program now recognizes work as a social determinant of illness and injury in the workplace. We will present a panel with 1) a brief statement of the problem of unhealthy working conditions and health and how this motivated the Healthy Work Campaign and film Working on Empty to address this problem, 2) describe the components of the Healthy Work Campaign, how the documentary film “Working on Empty” fits within this campaign and its applicability to Total Worker Health and 3) present an 11-minute film teaser with audience discussion.

# PLENARY SESSIONS (CONTINUED)

**“Working on Empty”: A Documentary Film Screening and an Introduction to the Healthy Work Campaign 11:30am-12:00pm**

*Peter L. Schnall, MD, MPH, Director, Center for Social Epidemiology*

*Marnie Dobson, PhD, Associate Director, Center for Social Epidemiology*

Upon completion, participants will be able to:

- Identify the components of the Healthy Work Campaign.
- Understand how The Healthy Work Campaign and Working on Empty film could be used in a Total Worker Health context.
- Discuss the challenges and potential successes to the Healthy Work Campaign and film Working on Empty as a public health campaign to promote changes to the organization of work.

**2<sup>nd</sup> International Symposium to Advance *Total Worker Health*<sup>®</sup> Special Recognition Ceremony 12:00-12:15pm**

**Closing Remarks and A Call to Action 12:15-12:30pm**

**Conclusion of the 2018 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*<sup>®</sup> 12:30pm**

**Launch of the Vision Zero Campaign in North America**  
**- Safety.Health.Wellbeing -**

*Session organized by the ISSA Special Commission on Prevention and the ISSA Secretariat*

**Part 1: ISSA Vision Zero Campaign Launch for North America**

*Presented by:*

*Margaret Kitt, National Institute for Occupational Safety and Health (NIOSH)*

*Sven Timm, ISSA Information/German Social Accident Insurance (DGUV)*

|                         |                                                                                                                                                                  |     |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>1:15 – 2:05 hrs.</b> | <b>Campaign Launch</b>                                                                                                                                           |     |
| <b>1:15 – 1:25</b>      | <b>NIOSH Welcome Address</b><br><i>John Howard, Director,</i><br>National Institute for Occupational Safety and Health (NIOSH), USA                              | 10' |
| <b>1:25 – 1:35</b>      | <b>Welcome Address: Vision Zero in a changing world of work</b><br><i>Joachim Breuer, President,</i><br>International Social Security Association (ISSA)         | 10' |
| <b>1:35 – 1:40</b>      | <b>Introduction of ISSA and its Special Commission on Prevention</b><br><i>Martina Hesse-Spötter, Chairperson</i><br>ISSA Special Commission on Prevention       | 5'  |
| <b>1:40 – 1:55</b>      | <b>Launch of the North American Vision Zero campaign</b><br><i>Hans-Horst Konkolewsky, Secretary General</i><br>International Social Security Association (ISSA) | 15' |
| <b>1:55 – 2:05</b>      | <b>Presenting Vision Zero certificates to Vision Zero Ambassadors, Partners, and Companies</b><br><i>John Howard and Hans-Horst Konkolewsky</i>                  | 10' |

**Part 2: Vision Zero Companies and Partner**

*Moderators: Laurie Ishak, National Institute for Occupational Safety and Health (NIOSH),*

*Donna Van Bogaert, ISSA Information*

|                         |                                                                                                                                       |     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>2:05 – 3:15 hrs.</b> | <b>Impulse presentations and Panel discussion</b>                                                                                     |     |
| <b>2:05 – 2:20</b>      | <b>BOEING's Safety Guiding Principles</b><br><i>Ursula English, Boeing, Vice President of</i><br>Environment, Health, and Safety, USA | 15' |

|                         |                                                                                                                                      |     |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>2:20 – 2:35</b>      | <b>Senior Corporate Executives practising Vision Zero</b><br><i>Cord Jones, Jones Global Enterprises JGE, Managing Director, USA</i> | 15' |
| <b>2:35 – 2:50</b>      | <b>SIEMENS' Zero Harm Strategy</b><br><i>Ralf Franke, SIEMENS AG, Global EHS/HSE Head, Germany</i>                                   | 15' |
| <b>2:50 – 3:05</b>      | <b>Discussion</b>                                                                                                                    | 25' |
| <b>3:05 – 3:35 hrs.</b> | <b>Coffee Break</b>                                                                                                                  | 30' |

**Part 3: Vision Zero Partners***Moderator: Hans-Horst Konkolewsky, ISSA*

|                         |                                                                                                                                                                                   |     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>3:35 – 4:50 hrs.</b> | <b>Vision Zero Partner Presentations and Panel discussion</b>                                                                                                                     |     |
| <b>3:35 – 3:50</b>      | <b>The U.S. Department of Labor and Vision Zero</b><br><i>Loren Sweatt, Deputy Assistant Secretary of Labor for Occupational Safety and Health, U.S. Department of Labor, USA</i> | 15' |
| <b>3:50 – 4:00</b>      | <b>The “Mission Zero” campaign</b><br><i>Matt Carey, International Association of Industrial Accident Boards and Commissions (IAIABC)</i>                                         | 10' |
| <b>4:00 – 4:10</b>      | <b>The Prevention Culture Campaign “Kommittmensch” and Vision Zero</b><br><i>Walter Eichendorf, Deputy Director General, German Social Accident Insurance (DGUV), Germany</i>     | 10' |
| <b>4:10 – 4:20</b>      | <b>Vision Zero in the US construction industry</b><br><i>Knut Ringen, Senior Adviser, CPWR, The Center for Construction Research and Training, USA</i>                            | 10' |
| <b>4:20 – 4:30</b>      | <b>WSIB and Vision Zero</b><br><i>Tom Teahen, President and CEO, Workplace Safety and Insurance Board, Canada</i>                                                                 | 10' |
| <b>4:30 – 4:50</b>      | <b>Discussion</b>                                                                                                                                                                 | 20' |

**Part 4: German and US experiences: Vision Zero and its 7 Golden Rules in practice***Moderators: Margaret Kitt, NIOSH and Martina Hesse-Spötter, ISSA Special Commission*

|                         |                                                                                                                                                                                                                              |  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>4:50 – 5:15 hrs.</b> | <b>Presentation and Panel Discussion</b>                                                                                                                                                                                     |  |
| <b>4:50 – 5:00</b>      | <b>“Zero Accidents – Healthy Work” the Vision Zero campaign of the BG RCI</b> (German Social Accident Insurance Institution for the raw materials and chemical industry)<br><i>Ulrich Meesmann, Director General, BG RCI</i> |  |

5:00 – 5:15

**Panel Discussion and ISSA Prevention Sections**

*Christian Felten/BG Verkehr – ISSA Transportation*  
*Knut Ringen/CPWR – ISSA Construction*  
*Sigrid Roth/BGHW – Trade/Wholesale (supply chain)*  
*Axel Lottermoser/BGW – ISSA Health Care*  
*Helmut Ehnes/BG RCI – ISSA Mining*

**Part 5: Closing**

*Moderator: Sven Timm, ISSA Information*

5:15 – 5:30 hrs.

**Moving forward - closing statement**

5'

*Cameron Mustard, President of the Institute for Work & Health, Canada, and IOC-Chair of the 2020 World Congress on Safety and Health at Work in Toronto*

## CHAT 'N CHEW SESSIONS

Optional lunchtime tutorials – Locations by session

**WEDNESDAY, MAY 9, 2018 | 11:45 AM – 12:45 PM** (Concurrent Sessions – Choose 1)

**Global Partnerships in Total Worker Health: Lessons Emerging from Guatemala, Chile, and India—  
Room E1/E2**

*Lee S. Newman, MD, MA, Professor and Center Director, Center for Health, Work & Environment, Colorado School of Public Health; Liliana Tenney, MPH, Senior Instructor and Center Deputy Director, Center for Health, Work & Environment, Colorado School of Public Health; Glorian Sorensen, PhD, MPH, Professor and Center Director, Harvard Chan School of Public Health Center for Work, Health, and Well-being and Dana-Farber Cancer Institute; Jack Dennerlein, PhD, Professor, Northeastern University; Iván Silva, MD, Director, Mutual de Seguridad, Department of Applied Research and of the "Safe and Healthy Company" Program; Claudia Asensio, DrPh,*

Workers in low- and middle-income countries face risks for both non-communicable diseases and occupational injuries and illnesses. Two NIOSH TWH Centers of Excellence -- Center for Health, Work & Environment (Colorado) and Center for Work, Health and Wellbeing (Massachusetts) -- have developed international collaborations in Guatemala, Chile, and India to promote and explore how TWH principles can be applied in international contexts to address these risks. Three approaches will be discussed, including results from the evaluation of these interventions. In Guatemala, through partnership with a multinational agribusiness, we have systematically applied TWH principles to assess health risks and test interventions addressing the international epidemic of Chronic Kidney Disease of Unknown Origin (CKDu) as well as other, endemic worker health and safety hazards.

This work has resulted in changes to the organization of work, approaches to worker protections, and to medical monitoring, with implications for high exertion labor in hot climates. We will present the implications of this work in a combined health, productivity, corporate social responsibility and business sustainability context. In Chile, through partnership with a private mutual insurance company, we have applied integrated approaches, including the SafeWell guidelines and WHO global model for action, to develop worker health and safety approaches in small and medium sized enterprises. This work has resulted in the adoption of a scalable certification for companies to attain, an audiovisual proposal, and web support platform to monitor and support implementation. In India, through partnership with institutes for public health in Mumbai, we have conducted a cluster randomized trial in 20 manufacturing worksites, integrating occupational safety and health and tobacco control. This work has provided insights into the drivers for occupational safety and health, low level of leadership support and commitment, a resultant low level of receptivity to recommendations from industrial hygienists and significant, but marginal, impact on tobacco quit rates. This session will conclude with a panel discussion exploring the benefits as well as limitations of an integrated approach and the connection between TWH and corporate social responsibility, the importance of understanding the social context and global trends that impact worker health and safety, as well as the opportunities and lessons learned through international partnerships.

## **2017 Key Findings from the Work-Life Survey of the Federal Workforce – Room C1/C2**

*Corey Adams, Human Resource Researcher and Program Evaluator, U.S. Office of Personnel Management; Lucy Polk, Work-Life Specialist, U.S. Office of Personnel Management*

In early 2017, the U.S. Office of Personnel Management (OPM) administered the first government-wide Federal Work-Life Survey. The Survey serves as a comprehensive and systematic tool in support of the U.S. OPM's commitment to improve performance by evaluating program effectiveness. The survey was designed to evaluate the relationship between work-life programs and organizational benefits and help individual agencies understand their employees' work-life needs and priorities, allowing senior leaders and managers to make evidence-based decisions about investments in these programs. The work-life programs evaluated in this study are grouped into the following five broad program areas: Telework, Work Schedule Flexibilities, Employee Assistance Programs, Family and Dependent Care Programs, and Worksite Health and Wellness Programs. The key findings presented in this presentation provide strong evidence of the positive association between employee use of work-life programs and high organizational performance, retention, job satisfaction, and employee well-being. Additionally, the report identifies employees' current and future needs for work-life support and barriers to support.

The presentation will also connect other Federal data sources to the analysis, report and conclusions that have arisen from this survey. Using WellCheck (Federal Agency on-line wellness program analysis FedScope, CDC Health Data and Statistics and the Federal Employee Viewpoint Survey agencies and practitioners have a new depth and breadth of ways to improve and market wellness services to employees. These new ways will allow more focus on specific areas that employees can benefit and will allow better and clearer long term direction for planning programs.

**THURSDAY, MAY 10, 2018 | 12:15 – 1:00 PM**

**Influence of Work Organization and Environment on Health Behaviors of Construction Apprentices – Room G1/G2**

*Bradley Evanoff, MD, MPH, Professor of Medicine, Division of General Medical Sciences, Washington University School of Medicine; Diane S. Rohlman, PhD, Associate Professor/Director, University of Iowa/Healthier Workforce Center of the Midwest; Jaime R. Strickland, MA, Clinical Research Supervisor, Division of General Medical Sciences, Washington University School of Medicine; Kevin M. Kelly, PhD, Associate Research Scientist/Deputy Director, University of Iowa/Healthier Workforce Center of the Midwest; Ann Marie Dale, PhD, OTR/L, Associate Professor of Medicine, Division of General Medical Sciences, Washington University School of Medicine*

Construction is among the most dangerous industries with well-recognized high physical demands and low job autonomy. In addition to traditional hazards for workplace injury and illness, other threats to health and well-being occur from work organization and work environment factors, including irregular employment, multiple job sites, long commutes, long work hours, and employer policies regarding health and safety. These non-traditional hazards are associated with injury and illness, as well as health behaviors including poor diet, smoking, and psychosocial stress. The cumulative impacts of both traditional and non-traditional hazards on the health and well-being of construction workers are largely unknown.

Presenters conducted a survey among apprentice construction workers to identify relationships between work organization, environmental factors, health behaviors, and health outcomes. The presentation will explore the preliminary cross-sectional results which highlight non-traditional worksite health risks, and suggest potential interventions that may improve health behaviors and outcomes among construction workers. As the study progresses, researchers plan to evaluate the longitudinal impact of work organization on health and health behaviors in construction trades, identify workplace programs, policies, and practices affecting worker health and well-being, and determine readiness for adoption of integrated interventions to improve worker health.

# CONCURRENT SESSIONS

WEDNESDAY, MAY 9, 2018 | 1:00-5:15pm

## **Concurrent Session 1**

1:00-2:15pm

### **1.1 Total Worker Health® Strategies for Preventing Acute & Chronic Diseases -Auditorium**

*Session Chair: Harpriya Kaur, PhD, MPH, Associate Service Fellow, NIOSH National Center for Productive Aging and Work*

- 1.1.1 Promoting Health and Function among Chronically Ill Workers: Evaluation of a Self-management Group Program *Robert K. McLellan, MD, MPH, FACOEM, Professor, Geisel School of Medicine at Dartmouth*
- 1.1.2 AUVAfIt: A Strategy from AUVA in Order to Prevent Work-Related Musculoskeletal Disorders *Julia Lebersorg-Likar, Expert on Ergonomics, Austrian Workers' Compensation Board*
- 1.1.3 Testing an Innovative Multi-Level Workplace Weight Loss Intervention in the "Working for You" Study *Jamie R. Strickland, MA, Clinical Research Supervisor, Washington University School of Medicine; Hank Dart, Health Communications Lead, Washington University School of Medicine; Richard Stein, PhD, Associate Professor of Medicine, Washington University School of Medicine; Rachel Tabak, PhD, Research Assistant Professor, Washington University in St. Louis; Bridget Kirk, CHES, Health Program Counselor, Washington University School of Medicine; Graham A. Colditz, MD, DrPH, Niess-Gain Professor of Surgery, Washington University School of Medicine; Bradley Evanoff, MD, MPH, Professor of Medicine, Washington University School of Medicine*
- 1.1.4 TWH Approaches to Chronic Kidney Disease of Unknown Origin in Guatemalan Agriworkers *Lee Newman, MD, MA, Professor and Center Director, Center for Health, Work & Environment, Colorado School of Public Health; Liliana Tenney, MPH, Senior Instructor and Center Deputy Director, Center for Health, Work & Environment, Colorado School of Public Health; Claudia Asensio, DrPH, Corporate Responsibility Manager, Pantaleon*

### **1.2 Workers' Challenges and Solutions in Transportation - Balcony A**

*Session Chair: Constance Franklin, MPA, Program Analyst, NIOSH Office for Total Worker Health*

- 1.2.1 Health and Safety Interventions for Professional Drivers: A Scoping Review *Susan E. Peters, PhD, BOccThy(Hons), Postdoctoral Research Fellow, Harvard Center for Work, Health, and Well-Being, Harvard T.H. Chan School of Public Health*
- 1.2.2 Association between Commercial Vehicle Driver at Fault Crashes Involving Sleepiness/Fatigue and Proximity to Rest Areas *Peter Rock, MPH, Data Management Specialist Senior, Kentucky Injury Prevention Research Center, College of Public Health, University of Kentucky*
- 1.2.3 Hearwell: Using the CPH-NEW Intervention Design and Analysis Scorecard (IDEAS) Tool to Develop Interventions for Hearing Health in Transportation Workers *Jennifer Cavallari, ScD, CIH, Assistant Professor, UConn Health; Lisa Rusch, MS, Doctoral Student, UConn Health; Alicia Dugan, PhD, Assistant Professor, UConn Health; Rob Henning, PhD, Associate Professor, University of Connecticut*
- 1.2.4 Total Trucker Health Revisited: Surveillance and Intervention Research *Ryan Olson, PhD, Associate Professor, Oregon Institute of Occupational Health Sciences/Oregon Health & Science University; Jeffrey Hickman, PhD, Group Leader/Research Scientist, Center for Bus and Truck Safety/Virginia Tech Transportation Research Institute; Matthew S. Thiese, PhD, MSPH, Associate Professor, Rocky Mountain Center for Occupational and Environmental Health/University of Utah; Terri Hallquist, MS, Research Analyst, Federal Motor Carrier Safety Administration*

### 1.3 Advancing the Safety and Health of an Aging Workforce: Research & Practice Issues – Balcony B

*Session Chair: James Grosch, PhD, MBA, Research Psychologist and Co-Director, National Center for Productive Aging and Work, NIOSH*

- 1.3.1 Early Labor Force Exit Among Workers 50-64 years of Age After a Permanently-Impairing Occupational Injury or Illness *Ken Scott, PhD, Epidemiologist, Denver Public Health, Denver Health and Hospital Authority; Qing Liao, MS, Research Analyst, Institute for Work and Health; Gwenith G. Fisher, PhD, Associate Professor, Department of Psychology, Colorado State University; Lorann Stallones, PhD, MPH, Professor, Department of Psychology, Colorado State University; Carolyn DiGiuseppi, MD, MPH, PhD, Professor, University of Colorado Anschutz Medical Campus; Emile Tompa, PhD, Senior Scientist, Institute for Work and Health*
- 1.3.2 Safety and Health among Older Construction Workers in the United States *Sue Dong, DrPH, Data Center Director, CPWR- The Center for Construction Research and Training*
- 1.3.3 University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UConn-SAM), *Martin Cherniack, MD, MPH, Professor of Medicine, Co-Director, CPH-NEW, UConn Health; Janet L. Barnes-Farrell, PhD, Professor, Associate Department Head for Research & Resources, Department of Psychological Sciences, University of Connecticut*
- 1.3.4 Aging, Work and Cognitive Functioning: Implications for Total Worker Health, *Gwenith G. Fisher, PhD, Associate Professor, I/O Program Coordinator and Director, Occupational Health Psychology Concentration, Colorado State University and Colorado School of Public Health; Dorey S. Chaffee, MS, Colorado State University*

### 1.4 Exploring Workplace Policy Landscapes – Balcony C

*Session Chair: Chia-Chia Chang, MBA, MPH, Team Lead, Partnerships and Collaboration Development, NIOSH Office for Total Worker Health*

- 1.4.1 Policy Matters for Total Worker Health® *Gregory Wagner, MD, Adjunct Professor of Environmental Health, Harvard T.H. Chan School of Public Health; Nico Pronk, PhD, President, HealthPartners Institute and Chief Science Officer, HealthPartners, HealthPartners Institute, HealthPartners; Dean Hashimoto, MD, JD, MOH, Chief Medical Officer, Occupational Health Services, Partners HealthCare System; Emily Sparer, ScD, Postdoctoral Research Fellow, Harvard T.H. Chan School of Public Health; Maria Andree Lopez Gomez, MPH, PhD, Postdoctoral Research Fellow, Harvard T.H. Chan School of Public Health; Christina R. Welter, DrPH, MPH, Clinical Assistant Professor, Community Health Sciences, University of Illinois at Chicago, School of Public Health; Anna Yankelev, BS, MPH (C), MBA (C), Research Assistant, MidAmerica Center for Public Health Practice, Center for Healthy Work*
- 1.4.2 Working Conditions as Drivers and Indicators of a Total Worker Health® Framework *Glorian Sorensen, PhD, MPH, Professor of Social and Behavioral Sciences, Harvard Chan School of Public Health Center for Work, Health, and Well-Being, Dana-Farber Cancer Institute; Deborah McLellan, PhD, MHS, Senior Scientist, Dana Farber Cancer Institute, HSPH Center for Work, Health, and Well-being; Jack T. Dennerlein, PhD, Professor, Northeastern University; Erika L. Sabbath, ScD, Assistant Professor, Boston College School of Social Work*

# CONCURRENT SESSIONS (CONTINUED)

## 1.5 Novel Approaches in Fatigue Management - Room E1/E2

*Session Chair: Donjanea Williams, EdD, Associate Service Fellow, NIOSH/CDC*

- 1.5.1 Establishing and Maintaining a Successful Fatigue Risk Management System *Korrie Mapp, CPE, TSSP, Owner/Founder, Mapp Consulting*
- 1.5.2 Well-being, Championship, and Fatigue Management: A Research-Driven Approach in Manufacturing *Paul Courtois, MBA, Plant Manager, Owens Corning; Laura Higginbotham, Master of Rehabilitation Counseling, Director of Wellness, Owens Corning; Matt O'Connor, PhD, Learning Strategy Business Leader, Owens Corning; Joel Bennett, PhD, President, Organizational Wellness & Learning Systems; Joy Inouye, MA, Research Associate, Sociology Campbell Institute; Brittany Linde, PhD, Research Associate, Organizational Wellness & Learning Systems; Gale Lucas, PhD, Director of Research, Psychology Organizational Wellness & Learning Systems*

## 1.6 Approaches for *Total Worker Health*® Implementation and Translation - Room F1/F2

*Session Chair: Sarah Mitchell, MPH, ORISE Fellow, NIOSH Office for Total Worker Health*

- 1.6.1 A Multi-Method Exploration of How Work Contributes to Well-Being *Catherine Heaney, PhD, MPH, Professor, Stanford University*
- 1.6.2 Fundamentals of *Total Worker Health*® Approaches – From Reach to Exposure to Engagement *Sarah Mitchell, MPH, ORISE Fellow, NIOSH Office for Total Worker Health; CDR Heidi Hudson, MPH, NIOSH Office for Total Worker Health; Reid Richards, BS, NIOSH Office for Total Worker Health*
- 1.6.3 *Total Worker Health*® in Higher Education & Academic Settings *Jennifer L. Hall, EdD, MCHES, Assistant Professor, Lynchburg College*
- 1.6.4 Using CPH-NEW's Healthy Workplace Participatory Program to Advance *Total Worker Health*® for Different Occupational Groups *Alicia Dugan, PhD, Assistant Professor, UConn Health; Jennifer Cavallari, ScD, CIH, Assistant Professor, UConn Health; Jaime Strickland, MA, Clinical Research Supervisor, Washington University School of Medicine; Jennifer Zelnick, MSW, ScD, Associate Professor, Touro College Graduate School of Social Work; Suzanne Nobrega, MS, Outreach Director, University of Massachusetts Lowell*

## Concurrent Session 2

**2:30-3:45pm**

### 2.1 Strategies for Returning to Work - Auditorium

*Session Chair: Chia-Chia Chang, MBA, MPH, Public Health Analyst, National Institute for Occupational Safety and Health*

- 2.1.1 Workplace Interventions to Facilitate Returning to Work after Musculoskeletal Disorders: Practice Variations and Theoretical Premises *Katia M. Costa-Black, PhD, Senior Manager of Ergonomics Services and Faculty Instructor, NYU Langone Health and NYU School of Medicine; Shari Berkowitz, MSC, Masters Student, NYU School of Medicine*
- 2.1.2 Barriers Associated with Discontinued Breast-Feeding after Returning to Work Among NH WIC Mothers *Karla Armenti, MS, ScD, Research Professor, University of New Hampshire; Lissa Sirois, RD, IBCLC, Administrator, Nutrition Services, NH Department of Health and Human Services; Margaret Henning, PhD, MA, Associate Professor Health Science, Keene State College*
- 2.1.3 Return to Work after Breast Cancer Treatment in African-American Patients *Christine C. Ekenga, PhD, MPH, Assistant Professor of Public Health, Washington University in St. Louis; Maria Pérez, MA, Senior Clinical Research Coordinator, Washington University School of Medicine; Donna B. Jeffe, PhD, Professor of Medicine, Washington University School of Medicine*

## 2.2 Issues in Mental Health and Stress in the Workplace – Balcony A

*Session Chair: CDR Heidi Hudson, MPH, Health Scientist, NIOSH Office for Total Worker Health*

- 2.2.1 CDC's new workplace health resource aims to help businesses improve employee's productivity and performance *Starlynn Gornail, MHS, Health Communications Manager, ICF*
- 2.2.2 Job Strain, Long Work Hours, and Suicidal Ideation in US Workers: A Longitudinal Study *BongKyoo Choi ScD, MPH, Assistant Professor, University of California Irvine*
- 2.2.3 Exploring Individual and Organizational Stress-reducing Interventions Across Industries *Ann Marie Dale, PhD, OTR/L, Associate Professor of Medicine, Washington University School of Medicine; Stephanie Kibby, OTD/S, Clinical Doctoral Student in Occupational Therapy, Washington University School of Medicine*
- 2.2.4 Internet Delivered, Interactive-Media-Based Psychological Support for Employees *Jay C. Buckey, MD, Professor of Medicine, Geisel School of Medicine at Dartmouth; Devin R. Cowan, BS, Research Programmer, Geisel School of Medicine; Abigail M. Fellows, MA, Research Coordinator, Geisel School of Medicine at Dartmouth; Mark T. Hegel, PhD, Professor of Psychiatry, Geisel School of Medicine at Dartmouth; Robert K. McLellan, MD, MPH, FACOEM, Professor, Geisel School of Medicine at Dartmouth*

## 2.3 Intergenerational Perspectives – Balcony B

*Session Chair: Maria Sofia Lioce, MD, MS, Health Scientist, NIOSH/CDC*

- 2.3.1 Falls, Fall Injuries, and the Aging Workforce *Kenneth A. Scott, MPH, PhD, Denver Public Health Epidemiologist*
- 2.3.2 Management of Age Diversity in Organizations: A Brazilian Scale *Juliana Seidl, PhD Student, University of Brasilia; Elaine Rabelo Neiva, Professor, University of Brasilia; Cristiane Faiad de Moura, Professor, University of Brasilia*
- 2.3.3 The Healthy Workplace and Generation Z: Designing for Need Satisfaction *Caitlin DeClercq, PhD, Researcher, Interdisciplinary Center for Healthy Workplaces, UC Berkeley*
- 2.3.4 How to Plan, Implement, and Evaluate Retirement Planning Programs: A Brazilian Experience *Juliana Seidl, PhD Student, University of Brasilia; Sheila Giardini Murta, Professor, University of Brasilia; Cristineide Leandro-França, Employee, University of Brasilia*

## 2.4 Small Businesses, Big Impact I – Balcony C

*Session Chair: Reid Richards, BS, Public Health Advisor, NIOSH Office for Total Worker Health*

- 2.4.1 *Total Worker Health*® Leadership: A Small Business Leader Perspective *Janalee Thompson, MS, Professional Research Assistant, Colorado School of Public Health, Center for Health, Work & Environment; Natalie Schwatka, PhD, AEP, Instructor and Researcher, Colorado School of Public Health, Center for Health, Work & Environment; Liliana Tenney, MPH, Deputy Director, Colorado School of Public Health, Center for Health, Work & Environment; Joshua Scott, MS, Instructor and Director of Education, Colorado School of Public Health, Center for Health, Work & Environment; Lee Newman, MD, MA, Director, Colorado School of Public Health, Center for Health, Work & Environment*

# CONCURRENT SESSIONS (CONTINUED)

- 2.4.2 A Description of Small Business Employee Perceptions of Health and Safety Climates *Natalie Schwatka, PhD, AEP, Instructor and Researcher, Colorado School of Public Health, Center for Health, Work & Environment; Liliana Tenney, MPH, Deputy Director, Colorado School of Public Health, Center for Health, Work & Environment; Miranda Dally, MS, Professional Research Assistant, Center for Health, Work & Environment at the Colorado School of Public Health; Carol Brown, PhD, Associate Director for Research, Center for Health, Work & Environment at the Colorado School of Public Health; Erin Shore, MPH, Professional Research Assistant, Center for Health, Work & Environment at the Colorado School of Public Health; Lee Newman, MD, MA, Professor and Director, Colorado School of Public Health, Center for Health, Work & Environment*
- 2.4.3 Preventive Care Utilization: Association with Individuals and Workgroup Level Policy and Practice Perceptions *Erika L. Sabbath, ScD, Assistant Professor, Boston College*
- 2.4.4 A Regional Survey Assessing *Total Worker Health*® Engagement among Small Employers in the Midwest *Shelly Campo, PhD, Director of Outreach and Associate Professor, Healthier Workforce Center of the Midwest and University of Iowa*

## 2.5 Healthy Workplace Programs – Room E1/E2

*Session Chair: Juliann C. Scholl, PhD, Health Communication Fellow, NIOSH National Center for Productive Aging and Work*

- 2.5.1 How to Build a Sustainable Employer Wellness Training Using Quality Improvement Tools, Partnerships and Collaborations *Sherry Haskins, MPA, Worksites Initiatives Manager, Maricopa County Department of Public Health*
- 2.5.2 Using Participatory Methods in a Workplace Weight Loss Program for Low-Wage and Hourly Healthcare Workers *Jaime R. Strickland, MA, Clinical Research Supervisor, Division of General Medical Sciences, Washington University School of Medicine in St. Louis*
- 2.5.3 Comparing Employee Goals Set during Health Coaching to Health Risk Appraisal Responses *Nathan Fethke, PhD, CPE, Associate Professor, University of Iowa, Department of Occupational and Environmental Health; Linda Merlino, MS, Research Specialist, University of Iowa, Department of Occupational and Environmental Health; Cassidy Branch, MA, Research Specialist, University of Iowa, Department of Occupational and Environmental Health*
- 2.5.4 Total Absence Management Pilot Program at Johns Hopkins Hospital *Nimisha Kalia, MD, MPH, MBA, Interim Director, Division of Occupational Medicine, Johns Hopkins University; Frances Humphrey-Carothers, BSN, MSN, ANP, Associate Director of Health, Safety and Environment, Johns Hopkins University*

## 2.6 Strategies for Opioid and other Substance Abuse Programs – Room F1/F2

*Session Chair: Jim Newhall, PhD, Health Scientist, NIOSH Office for Total Worker Health*

- 2.6.1 Three Approaches to Workplace Alcohol, Drug, and RX Prevention: 20 Years Research-to-Practice *Shawn Reynolds, PhD, Research Scientist, Organizational Wellness & Learning Systems; Joel Bennett, PhD, President, Organizational Wellness & Learning Systems; Gale Lucas, PhD, Director of Research, Organizational Wellness & Learning Systems; Brittany Linde, PhD, Research Associate, Organizational Wellness & Learning Systems; Michael Neeper, MA, Research Assistant, Organizational Wellness & Learning Systems*

- 2.6.2 Southeastern State Research Collaboration to Assess First Responder Exposures during Opioid Overdose Emergency Room Responses *Terry L. Bunn, PhD, Associate Professor, University of Kentucky; Wayne T. Sanderson, PhD, Professor, University of Kentucky; Susan Westneat, MS, Staff Epidemiologist, University of Kentucky; Ashley Bush, DrPH, Program Manager, Uni-*

### **Concurrent Session 3**

**4:00-5:15pm**

#### **3.1 Workforce Development Panel: Lessons Learned and Next Steps – Auditorium**

*Session Chairs: Adele M. Childress, PhD, MSPH, Senior Scientist, NIOSH/CDC; Jim Newhall, PhD, Health Scientist, NIOSH Office for Total Worker Health*

- 3.1.1 Summary of Workforce Development Round Table *Deborah McLellan, PhD, MHS, Senior Scientist, Dana-Farber Cancer Institute and HSPH Center for Work, Health, and Well-being*
- 3.1.2 Uncovering Training Needs for Total Worker Health® Professionals: Results of a National Continuing Education Survey *Joshua Scott, MS, Director of Continuing Education, Center for Health, Work & Environment, Colorado School of Public Health Instructor; Carol Brown, PhD, Associate Director of Research, Center for Health, Work & Environment, Colorado School of Public Health*
- 3.1.3 Moderated Panel Discussion *Deborah McLellan, PhD, MHS, Senior Scientist, Dana-Farber Cancer Institute and HSPH Center for Work, Health, and Well-being; Lee Newman, MD, MA, Professor and Center Director, Center for Health, Work & Environment, and Mountain and Plains ERC, Colorado School of Public Health; Leslie Hammer, PhD, Oregon Health & Science University – Oregon Healthy Workforce Center, and Director, Occupational Health Psychology, Portland State University; Liliana Tenney, MPH, Deputy Director, Center for Health, Work & Environment; Senior Instructor, Colorado School of Public Health; Laura Linnan, ScD, Senior Associate Dean of Academic and Student Affairs, University of North Carolina School of Global Public Health*

#### **3.2 TWH Approaches in Agricultural Communities – Balcony A**

*Session Chair: Constance Franklin, MPA, Program Analyst, NIOSH Office for Total Worker Health*

- 3.2.1 Total Farmer Health: An Adaption of Total Worker Health® *Natalie Roy MPH, Executive Director, AgriSafe Network; Charlotte Halverson, BSN, COHN-S, Occupational Health Nurse, AgriSafe Network*
- 3.2.2 Total Rural Worker Health: Agricultural Workplace Risks and Health Outcomes *Vanessa Casanova, PhD, The University of Texas Health Science Center at Tyler; Amanda Wickman, MBA, The University of Texas Health Science Center at Tyler; Jeffrey Levin, MD, MSPH, The University of Texas Health Science Center at Tyler; and Kent Willis, PhD, The University of Texas Health Science Center at Tyler*
- 3.2.3 Community-Based Didactic Readers' Theater Changes Work Behaviors of Senior Farmers *Deborah B. Reed, PhD, RN, Professor, University of Kentucky; Debra McCallum, PhD, Professor, University of Alabama; Deborah T. Claunch, BBA, research Associate, University of Kentucky; Michael Conaway, JD, Project Director, Capstone Poll, ISSR, University of Alabama; Tess Gemberling, BS, Grad Research Assistant, ISSR, University of Alabama*

# CONCURRENT SESSIONS (CONTINUED)

## 3.3 Addressing First Responder and Firefighter Safety, Health, and Well-Being – Balcony B

*Session Chair: Reid Richards, BS, Public Health Advisor, NIOSH Office for Total Worker Health*

- 3.3.1 Organizational Empowerments through Data in the United States Fire Service *Jennifer A. Taylor, PhD, MPH, CPPS, Associate Professor & FIRST Center Director, Dornsife School of Public Health; Andrea L. Davis, MPH, CPH, Senior Project Manager, Drexel University, Dornsife School of Public Health*
- 3.3.2 Examining Cancer Burden in Fire Service: Evidence from the Sylvester Firefighter Cancer Institute *Alberto J. Caban-Martinez, DO, PhD, MPH, Assistant Professor, Public Health Sciences, University of Miami, Miller School of Medicine; Erin N. Kobetz, PhD, MPH, Professor & Associate Dean, University of Miami, Miller School of Medicine; David J. Lee, PhD, Professor, University of Miami, Miller School of Medicine; Natasha Schaefer Solle, RN, PhD, Assistant Research Professor, University of Miami, Miller School of Medicine; Katerina M. Santiago, MPH, Research Associate, University of Miami, Miller School of Medicine*
- 3.3.3 The Continuum of Support - Stress First Aid for Wildland Firefighters and First Responders *Kimberly Lightley, Critical Incident Response Program Specialist, U.S. Forest Service, Fire and Aviation Management*

## 3.4 People and Places: The Built Environment's Influence – Balcony C

*Session Chair: Sarah Mitchell, MPH, ORISE Fellow, NIOSH Office for Total Worker Health*

- 3.4.1 Blending Well with Green *Jeffrey Williams, LEED-AP, Sr. Environmental Engineer, U.S. Department of Defense*
- 3.4.2 The Hub: Collaborating for Health and Well-Being through Innovative Sustainable and Community Building Design *Victoria Flores, MSN, AGPCPN, OEHN, Senior Environment Health & Safety Program Manager, Genentech; Anne Marie Tsolinas, MSN, NP, COEHN-S, Senior Manager, Health & Wellness, Genentech*
- 3.4.3 Applications of a Needs-Based Model of Healthy Workplaces to Field Settings *Cristina Banks, PhD, Director, Interdisciplinary Center for Healthy Workplaces, University of California, Berkeley; Carolyn Winslow, PhD, Researcher, Interdisciplinary Center for Healthy Workplaces, University of California, Berkeley; Isabelle Thibau, MPH, Researcher, Interdisciplinary Center for Healthy Workplaces, University of California, Berkeley*

## 3.5 Implementing TWH in the Workers' Compensation Setting – Room E1/E2

*Session Chair: Rene Pana-Cryan, PhD, Director, NIOSH Economic Research and Support Office*

- 3.5.1 Measuring Naturally Occurring Integration of Traditional Health Protection with Wellness Programs *Alysha R. Meyers, PhD, CPE, Epidemiologist, NIOSH, Center for Workers' Compensation Studies; Ibraheem (Abe) Al-Tarawneh, PhD, Chief of Division of Safety & Hygiene, Ohio Bureau of Workers' Compensation; Carol Morrison, MBA, Manager, Outreach Programs and Services, Ohio Bureau of Workers' Compensation; P. Timothy Bushnell, PhD, MPA, Economist, NIOSH Office of the Director, Economic Research and Support Office; Steve Wurzelbacher, PhD, CPE, ARM, Director, NIOSH Center for Workers' Compensation Studies; Michael Lampl, MS, CPE, Research Director, Ohio Bureau of Workers' Compensation*
- 3.5.2 What's Needed to Create a Movement for Total Worker Health® *Sabrina Freewynn, MPH, Total Worker Health Consultant, SAIF*
- 3.5.3 A Model for Positioning the Integrated Work and Health Approach in Companies: Mutual de Seguridad Experience *Ivan Silva, MD, Director of the Department of Applied Research and of the "Safe and Healthy" Company Program, Mutual de Seguridad*

### 3.6 Case Studies in Manufacturing – Room F1/F2

*Session Chair: Donjana Williams, EdD, Associate Service Fellow, NIOSH/CDC*

- 3.6.1 Aragon Workers' Health Study (AWHS): Promoting the Occupational Health of Workers in OPEL Spain *Eusebio Mur, MD, Occupational Medicine Specialist, Medical Director, Opel España*
- 3.6.2 Occupational Injury and Employment Duration: An Analysis of Newly Hired Manufacturing Workers *Nathan Huizinga, Graduate Fellow, University of Iowa, Department of Occupational and Environmental Health; Nathan Fethke, PhD, CPE, Associate Professor, University of Iowa, Department of Occupational and Environmental Health*
- 3.6.3 Engaging Manufacturers to Measure and Improve Worker Well-Being in Supply Chains *Eileen McNeely, RN,C, MS, PhD, Co-director, Harvard University's Sustainability and Health Initiative for NetPositive Enterprise (SHINE); Tamar Koosed, MPIA, President, MANAUS; Kimberly Almeida, MPIA, Senior Program Manager, Levi Strauss Foundation*
- 3.6.4 Fujifilm Fit: A Total Worker Health® Approach in Manufacturing *Susan Hendrix, Sr. Manager, EHS, FUJIFILM Manufacturing U.S.A., Inc.; Lisa Emily, Sr. Public Relations, FUJIFILM Manufacturing U.S.A., Inc.*

**THURSDAY, MAY 10, 2018 | 1:15-5:30pm**

#### **Concurrent Session 4**

**1:15-2:30pm**

#### **4.1 Highlights from the International Social Security Administration's Vision Zero Campaign – Auditorium**

#### **4.2 Healthier Federal Workers – Balcony A**

*Session Chair: Kellie Pierson, MS, Psychologist, NIOSH Office for Total Worker Health*

- 4.2.1 Policies to Drive Healthier Choices *Mamie Jennings Mabery, MA, MLn, CWWS, Senior Advisor for Policy and Partnerships, Centers for Disease Control and Prevention*
- 4.2.2 Employee Safety, Health, and Well-Being Focus Group Findings from One Veterans Affairs Medical Center *Tamara M. Schult, PhD, MPH, Research Data Analyst, Employee Health and Well-being, Occupational Health Services, Veterans Health Administration; Eve M. Nagler, ScD, MPH, CHES, Senior Scientist, Dana-Farber Cancer Institute and HSPH Center for Work, Health, and Well-being; Nancy Gendreau, NP, Occupational Health Nurse Practitioner and Employee Wellness Coordinator, VA Boston Health Care System*

#### **4.3 Integrating TWH Practices into Healthcare Settings – Balcony B**

*Session Chair: Jim Newhall, PhD, Health Scientist, NIOSH Office for Total Worker Health*

- 4.3.1 Exploring Occupational Health Nurse's Understanding and Needs in Regard to Total Worker Health® *Kimberly Olszewski, DNP, CRNP, COHN-S/CM, FAAOHN, Assistant Professor, Bloomsburg University; Debra Wolf, PhD, MSN, BSN, RN, Associate Professor, Chatham University; John Wenskovich, MSc, Adjunct Faculty, Virginia Tech*
- 4.3.2 Total Worker Health® Approaches in Healthcare Settings: Insights from Long-Term Care, Acute Care, and Home Care *Erika L. Sabbath, ScD, Assistant Professor, Boston College; Laura Punnett, ScD, Professor, University of Massachusetts Lowell; Ryan Olson, PhD, Associate Professor, Oregon Health & Science University*

# CONCURRENT SESSIONS (CONTINUED)

## 4.4 Integrated Approaches to Prevention – Balcony C

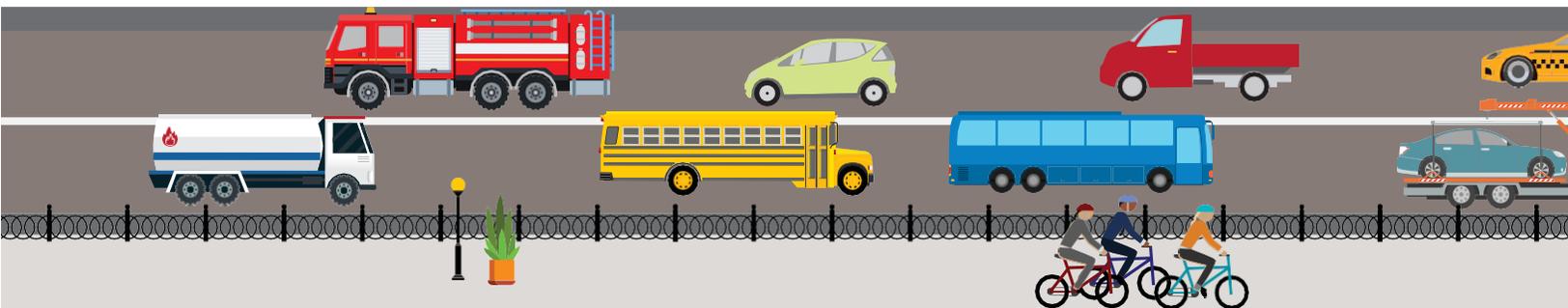
*Session Chair: Naomi Swanson, PhD, Chief, Organizational Science and Human Factors Branch, National Institute for Occupational Safety and Health*

- 4.4.1 Combining Wellness into a Repetitive Stress Injury Prevention Program *Michael Wasik, MEd, ATC/L, CSCS, LMT, Senior Health and Productivity Advisor, Chevron*
- 4.4.2 Integrated Health Protection and Promotion Programs for Truck Drivers in BC, Canada *Philip Bigelow, PhD, Associate Professor, University of Waterloo*
- 4.4.3 A Work Health and Safety Regulator's Journey: Promoting an Integrated Health, Safety and Well-Being Approach *Nita Maynard, BS, Graduate Diploma OHS, Director, Workplace Health and Safety Queensland*
- 4.4.4 Creating a Standard Work Organization Risk Assessment Tool for US Workers *Naomi Swanson, PhD, Chief, Organizational Science and Human Factors Branch, National Institute for Occupational Safety and Health; BongKyo Choi, ScD, MPH, Assistant Professor, Center for Occupational and Environmental Health, University of California, Irvine; Marnie Dobson, PhD, Assistant Adjunct Professor, Center for Occupational and Environmental Health, University of California, Irvine; Jeannie A.S. Nigam, MS, Research Psychologist, National Institute for Occupational Safety and Health; Suzanne Nobrega, MS, Outreach Director, Center for Promotion of Health in the New England Workplace, University of Massachusetts Lowell and University of Connecticut*

## 4.5 Small Businesses, Big Impact II – Room E1/E2

*Session Chair: Reid Richards, BS, Public Health Advisor, NIOSH Office for Total Worker Health*

- 4.5.1 Dissemination of *Total Worker Health*® Strategies to Employers: Addressing Employee Health in the 21st Century *Lauren Schulte, MPH, CHES, Director, Well-being & Communications, St. Louis Area Business Health Coalition*
- 4.5.2 Developing and Sustaining Partnerships to Advance Workplace Health Promotion Programs in Small and Mid-Size Businesses *Starlynn Gornail, MHS, Health Communications Manager, ICF*
- 4.5.3 An Assessment for Family-Friendly Workplace Best Practices: Implementation, Outcomes and Lessons Learned *Michelle Haan, MPH, Community Programs & Events Manager, Center for Health, Work & Environment; Carol Brown, PhD, Associate Director of Research, Center for Health, Work & Environment; David Shapiro, BA, Business Relations Manager, EPIC (Executives Partnering in Children)*
- 4.5.4 Using a Case Studies Approach to Examine *Total Worker Health*® in Small Enterprises *Diane S. Rohlman, PhD, Director/Associate Professor, Healthier Workforce Center/University of Iowa; Lisa Henning, WorkWell Director, Nebraska Safety Council; Heather Vanover, PMP, CHCM, Director of Workplace Services, Nebraska Safety Council; Sabrina Freewynn, MPH, Total Worker Health® Consultant, SAIF Corporation; Janalee Thompson, MS, Professional Research Assistant, Colorado School of Public Health, Center for Health, Work & Environment; Kaylee Rivera, MPH, Colorado School of Public Health, Center for Health, Work & Environment*



## 4.6 Applying New Data Sources and Metrics to Assess the Relationship between Work and Health – Room F1/F2

*Session Chair: Rene Pana-Cryan, PhD, Director, ERSO, NIOSH*

- 4.6.1 Applying New and Broad Ways to Use Data Sources and Metrics to Assess the Relationship between Work and Health *Rene Pana-Cryan, PhD, Director, ERSO, NIOSH*
- 4.6.2 Work precariousness and job stress *Anasua Bhattacharya, PhD, Economist, ERSO, NIOSH*
- 4.6.3 Cause-Specific Mortality Following Occupational Injury: An Exploratory Study *Abay Asfaw, PhD, Economist, ERSO, NIOSH*
- 4.6.4 The impact of occupational injuries on the incidence and cost of opioids *Tim Bushnell, PhD, Economist, ERSO, NIOSH*
- 4.6.5 Work arrangement and schedule by industry: A descriptive analysis using the American Community Survey, 2005-2015 *Brian Quay, MS, Economist, ERSO, NIOSH*

### **Concurrent Session 5**

**2:45-4:00pm**

#### **5.1 Highlights from the International Social Security Administration's Vision Zero Campaign – Auditorium**

#### **5.2 Methods for TWH Research – Balcony A**

*Session Chair: Sara L. Tamers, PhD, MPH, Scientist, CDC/NIOSH*

- 5.2.1 Proceedings from the *Total Worker Health*<sup>®</sup> Research Methodology Workshop: Study Design and Measurement Options *Sara L. Tamers, PhD, MPH, Scientist, CDC/NIOSH; Diane S. Rohlman, PhD, Director/Associate Professor, Healthier Workforce Center of the Midwest/University of Iowa; Kevin Kelly, PhD, Deputy Director/Adjunct Associate Professor, Healthier Workforce Center of the Midwest/University of Iowa; Ron Goetzel, PhD, Senior Scientist, Johns Hopkins University; Nicolaas Pronk, PhD, President, HealthPartners Institute and Chief Science Officer, HealthPartners, HealthPartners Institute, HealthPartners, and Harvard University; Jeannie A.S. Nigam, MS, Research Psychologist, National Institute for Occupational Safety and Health; Sara E. Luckhaupt, MD, MPH, Medical epidemiologist, National Institute for Occupational Safety and Health*

#### **5.3 Workforce Health is Population Health – Balcony B**

*Session Chair: Maria Sofia Lioce, MD, MS, Health Scientist, NIOSH/CDC*

- 5.3.1 *Total Worker Health*<sup>®</sup> as an Approach to Improve Population Health *Bradley Evanoff, MD, MPH, Professor of Medicine, Division of General Medical Sciences, Washington University School of Medicine; Lisa Henning, WorkWell Director, Nebraska Safety Council; Sherry Baron, MD, MPH, Professor, City University of New York, Barry Commoner Center for Health and the Environment, Queens College; Lorraine M. Conroy, ScD, CIH, Professor, Environmental and Occupational Health Sciences, University of Illinois at Chicago, School of Public Health*



# CONCURRENT SESSIONS (CONTINUED)

## 5.4 Health and Well-Being Challenges and Interventions for Correctional Workers – Balcony C

*Session Chair: Kellie Pierson, MS, Psychologist, NIOSH Office for Total Worker Health*

- 5.4.1 Rural and Urban Jail Total Worker Health Needs Assessment: Similar Health, Different Workplaces  
*Lisa Jaegers, PhD, OTR/L, Assistant Professor, Saint Louis University*
- 5.4.2 Correction Workers Health and Wellness Engagement of Research and Professional Partners through the National Corrections Collaborative  
*Mazen El Ghaziri, PhD, MPH, RN, Assistant Professor, UMass Lowell-Solomont School of Nursing; Lisa Jaegers PhD, OTR/L, Assistant Professor, Saint Louis University; Paula Grubb, PhD, Research Psychologist, National Institute for Occupational Safety and Health (NIOSH); Martin Cherniack, MD, MPH, Professor of Medicine, UConn Health*

## 5.5 Community Integration and Collaborations with Health Departments – Room E1/E2

*Session Chair: Jim Newhall, PhD, Health Scientist, NIOSH Office for Total Worker Health*

- 5.5.1 Total Worker Health Approaches in State and Territorial Health Departments: A National Mixed-Methods Study  
*Laura Linnan, ScD, Senior Associate Dean for Academic and Student Affairs and Research Program Director of the Carolina Collaborative for Research on Work and Health, Gillings School of Global Public Health*

## Concurrent Session 6

**4:15-5:30pm**

### 6.1 Highlights from the International Social Security Administration's Vision Zero Campaign – Auditorium

### 6.2 Preventing Violence in the Healthcare Setting – Balcony A

*Session Chair: Tamekia Evans, MPH, Management Program Analyst, NIOSH Office for Total Worker Health*

- 6.2.1 Violence Experienced by Registered Nurses Working in Hospitals: An Evaluation Study  
*Susan Holland, MS, RN, Nursing Director, Beth Israel Deaconess Medical Center and Doctoral Candidate at the Rossier School of Education at the University of Southern California*
- 6.2.2 Healthy Nurse, Healthy Nation Grand Challenge: An Overview  
*Holly Carpenter, Interim Director, Program Operations, American Nurses Association*
- 6.2.3 Assessing Impact of Legislation to Provide Training & Prevent Workplace Violence among NJ Home Healthcare Aides  
*Marilyn Lou Ridenour, BSN, MBA, MPH, Nurse Epidemiologist, CDC/NIOSH*
- 6.2.4 Workplace Bullying: What You Should Know  
*Ellen Pinkos Cobb, Author, Senior Legal & Regulatory Analyst, Workplace Bullying and Harassment New Developments in International Law, The Isosceles Group*

### 6.3 Strategies for Healthier Work – Balcony B

*Session Chair: Adele M. Childress, PhD, MSPH, Senior Scientist, NIOSH/CDC*

- 6.3.1 Managing Cultural Diversity at US Construction Sites: Hispanic Workers Perspective  
*Ahmed Al-Bayati, PhD, PE, CHST, Assistant Professor, Western Carolina University*
- 6.3.2 Turning Unhealthy Work into Healthy Work: Healthy Communities through Healthy Work Action Research  
*Tessa Bonney, MPH, PhD (C), UIC Center for Healthy Work; Anna Yankelev, MPH (C), MBA (C), Research Assistant, University of Illinois at Chicago School of Public Health; Elizabeth Fisher, CHES, Center Coordinator, Center for Healthy Work, University of Illinois at Chicago*
- 6.3.3 Oregon's Total Worker Health® Alliance  
*Dede Montgomery, MS, CIH, Senior Research Associate, OHSU; Sabrina Freewynn, MPH, Total Worker Health® Consultant, SAIF Corporation*

## **6.4 Practical Applications of TWH – Balcony C**

*Session Chair: CDR Heidi Hudson, MPH, Health Scientist, NIOSH Office for Total Worker Health*

- 6.4.1 Translation and Adaptation of *Total Worker Health*® Intervention *MacKenna Perry, PhD, Research Associate, Oregon Health & Science University*
- 6.4.2 Continuing the Conversation: Communicating *Total Worker Health*® Online *Avery Artman, MSPH, Center for Health, Work & Environment, Colorado School of Public Health Communications and Media Coordinator*
- 6.4.3 Using Intermediaries to Implement *Total Worker Health*® Interventions in Challenging Industries *Thomas R. Cunningham, PhD, Chief of the Training Research and Evaluation Branch in Education and Information Division National Institute for Occupational Safety and Health; Lisa Henning, BS, WorkWell Director, Nebraska Safety Council; Heather Vanover, PMP, CHCM, Director of Workplace Services, Nebraska Safety Council; Ann Marie Dale, PhD, OTR/L, Associate Professor of Medicine, Washington University School of Medicine; Ryan Olson, PhD, Associate Professor, Oregon Health & Science University*

## **6.5 Novel TWH Measurement Strategies – Room E1/E2**

*Session Chair: Sarah Mitchell, MPH, ORISE Fellow, NIOSH Office for Total Worker Health*

- 6.5.1 Occupational Physical Activity in Brewery and Office-Based Workers *Janalee Thompson, MS, Professional Research Assistant, Colorado School of Public Health, Center for Health, Work & Environment*
- 6.5.2 Demonstrating Value: Measuring Outcomes and Mitigating Risk *Jeffery Mintzer, LICSW, CEAP, Deputy Director Behavioral Health Services, Health and Human Services, Federal Occupational Health; Veronica Morrow, LCSW-C, CEAP, Associate Director, Employee Assistance and Worklife Programs, Health and Human Services, Federal Occupational Health*

# POSTER SESSION

**WEDNESDAY, MAY 9, 2018 | 8:00-9:30am** (Posters available for viewing the entire day) Balcony Atrium

1. **How TWH Intervention Research Employs the Hierarchy of Controls** *W. Kent Anger, PhD, Professor, Oregon Health & Science University*
2. **NIOSH TWH Research Program Evaluation: Process and Recommendation** *Tat'Yana Kenigsberg, MPH, Epidemiologist, MEDAB | DGHT | CGH | CDC Epidemiologist; Donjanea Williams, EdD, Associate Service Fellow, NIOSH/CDC; Maria Sofia Lioce, MD, MS, Health Scientist, NIOSH/CDC, Adele M. Childress, PhD, MSPH, Senior Scientist, NIOSH/CDC*
3. **A Chronic Obstructive Pulmonary Disease overview with a view to propose holistic and harmonised management** *Dr. Ana-Maria Chiorean, Medical Director, MedScope Consulting LTD*
4. **Assessing Latino Workers' Health: Concerns about Personal Health and the Workplace Environment** *Lesliam Quiros-Alcala, PhD, Assistant Professor, University of Maryland; Mary Garza, PhD, Assistant Professor, University of Maryland; Robert Feldman, PhD, Professor, University of Maryland; Ruth Zambrana, PhD, Professor, University of Maryland; Kathleen Stewart, PhD, Associate Professor, University of Maryland*
5. **The Art and Science of Evaluation Planning in a New Total Worker Health® Center of Excellence** *Kee Chan, PhD, Clinical Assistant Professor, Program Director online MPH, University of Illinois at Chicago; Preethi Pratap, PhD, Assistant Professor, University of Illinois at Chicago; Lisa M. Brosseau, ScD, CIH, Professor, Center Director, Center for Healthy Work, University of Illinois at Chicago; Elizabeth Fisher, CHES, Center Coordinator, Center for Healthy Work, University of Illinois at Chicago*
6. **Project EMPOWER: Study Protocol for a Novel Web-based Intervention for Workers with Chronic Health Conditions** *Alyssa K. McGonagle, PhD, Assistant Professor, University of North Carolina Charlotte*
7. **Strategies to increase health workers' adherence to the annual periodic medical examination** *Leonardo Piovesan Mendonça, MD, Occupational Health Coordinator, HAOC; Christiane Maria Talala Zogheib, RN, Occupational Health Nurse, HAOC; Juliana Dogue Dicezare, RN, Quality of Life Coordinator, HAOC; Carmen Silvia Roncato, BS, Physiotherapy/Ergonomics, HAOC*
8. **Three Nurses, A Driver and a Truck: Creating Smart Movers** *Lorraine Pacha, BSN, RN, Employee Health Nurse, COHN Genesis Health System; Brandi Tiesman, MOM, Dir, Human Resources, Genesis Health System; Julie Davis, MSN, RN, COHN, Employee Health Nurse, Genesis Health System*
9. **A Peer-Reviewed Analysis for World Trade Center Health Program Human Service Professionals** *Brittany L. Gear, MPH, Public Health Advisor, CDC/NIOSH/WTCHP; Rhonda Nembhard, MSN, RN, Public Health Advisor, CDC/NIOSH/WTCHP*
10. **Perceived effectiveness of a workplace stress management intervention: Complementing or compensating for your supervisor** *Kristin A. Horan, MA, Graduate Student, Bowling Green State University*
11. **The Impact of Leadership Development on Burnout and Resilience in the Healthcare Industry** *Chelsea LeNoble, PhD, Postdoctoral Research Fellow, Clemson University; Michelle Flynn, Graduate Student, Clemson University*
12. **Continuous Quality Improvement of the American Heart Association's Workplace Health Achievement Index** *Adela Santana, MPH, MEd, CHES, Program Evaluator, American Heart Association; Jessica Lee, MPH, Community Profiles Analyst, American Heart Association; Olivia Barnes, MPH, Project Coordinator, American Heart Association; Chris Calitz, MPP, Director, American Heart Association; Gregg C. Fonarow, MD, FACC, FAHA, FHSA, Eliot Corday Professor of Cardiovascular Medicine and Science; Director, Ahmanson-UCLA Cardiomyopathy Center and Clinical Co-Chief of Cardiology, UCLA School of Medicine; Emily Smith, MPH, CHES, Wellness Coordinator, Laborers' Health & Safety Fund of North America*

13. **Calling, the deepest sense of meaningful work: Exploring diverse motivations and conceptualizations** *Ade-lynn B. Shimizu, MS, Graduate student, Colorado State University; Kaitlyn Reed, BS, Graduate student, Colorado State University; Matthew Oberdorfer, BS, Graduate Student, Colorado State University*
14. **The Small+Safe+Well (SSWell) Study: A NIOSH Center of Excellence small business TWH intervention study** *Erin Shore, MPH, Professional Research Assistant, Center for Health, Work & Environment at the Colorado School of Public Health; Natalie Schwatka, PhD, Assistant Professor, Center for Health, Work & Environment; Carol Brown, PhD, Associate Director for Research, Center for Health, Work & Environment; Miranda Dally, MS, Statistician, Center for Health, Work & Environment; Liliانا Tenney, MPH, Center Deputy Director and Instructor, Center for Health, Work & Environment; Lee Newman, MD, MA, Professor and Center Director, Center for Health, Work & Environment*
15. **Sufficient off-job time promotes employees' daily well-being and prevents memory failures at work** *Mar-jaana Sianoja, MA, Doctoral Candidate, MIT Sloan School of Management and University of Tampere Finland; Erin L. Kelly, PhD, Professor, MIT Sloan School of Management; Soomi Lee, PhD, Postdoctoral Scholar, The Pennsylvania State University; David Almeida, PhD, Professor, The Pennsylvania State University*
16. **Exploring Social Support Network Structures for Multi-Role Workers** *Jessica MK Streit, MS, PhD (cand), Research Psychologist, NIOSH*
17. **Police on-duty injury duration and sleep quality: Mediational effects of posttraumatic stress symptoms** *John M. Violanti, PhD, Research Professor, University of Buffalo, SUNY; Ja Kook Gu, MS, Epidemiologist, CDC/NIOSH; Michael E. Andrew, PhD, Chief, Epidemiology branch, CDC/NIOSH; Erin McCanlies, PhD, Epidemiologist, CDC/NIOSH*
18. **The influence of a team competition on pedal stand use** *Sara Wild, MPH, Research Assistant, Oregon Institute of Occupational Health Sciences at Oregon Health and Science University*
19. **Health Links Colorado: Creating Cancer Supportive Work Environments as Part of Organizational Change in the Workplace** *Kelsey Brown, MPH, Research Assistant and Project Coordinator, The Center for Health, Work & Environment; Lee Newman, MD, Director, The Center for Health, Work & Environment; Cathy Bradley, PhD, Associate Director for Cancer Prevention, The University of Colorado Comprehensive Cancer Center*
20. **Job Stress and Burnout: Results from a Nationally Worker Representative Survey** *Rashaun K. Roberts, PhD, Research Psychologist, CDC/NIOSH*
21. **Promoting U Through Safety and Health (PUSH): Evaluation of an online training for young workers** *Ashamsa Aryal, MPH, Graduate Research Assistant, Healthier Workforce Center of the Midwest*
22. **Newly Licensed Nurses and Their Experiences of Workplace Bullying** *Paula Grubb, PhD, Research Psychologist, NIOSH; Gordon L. Gillespie, PhD, RN, Professor, University of Cincinnati School of Nursing; Rashaun K. Roberts, PhD, Research Psychologist, NIOSH*
23. **An Overview of the NIOSH Healthy Work Design Cross-Sector** *Jeannie A.S. Nigam, MS, Research Psychologist, National Institute for Occupational Safety and Health; Naomi Swanson, PhD, Chief, Organizational Science and Human Factors Branch, National Institute for Occupational Safety and Health; L. Casey Chosewood, MD, MPH, Director, NIOSH Office for Total Worker Health; Rene Pana-Cryan, PhD, Director, NIOSH Economic Research and Support Office*
24. **Early Intervention Methods: The Bridge to Total Worker Health** *Ronald "Chet" Brandon, Certified Safety Professional, Certified Hazardous Materials Manager, VP of Operations & Corporate Safety Officer, ATI Worksite Solutions*
25. **Innovative Solutions on the Effects of Emerging Risks Related to Occupational Safety and Health arising from Digitization of Work** *AKPA, Providence Nwachukwu, Masters; BSc; Diploma; Certificate in Environmental Chemistry & Pollution Control and Occupational Safety & Health, Principal Consultant Provider, QHSE Services*

26. **Multi-Disciplinary Teams for Public Safety Well-Being** *Rana DeBoer, MS, CIC, WorkWell Manager, City of Sioux Falls; Kelly Marshall, MS, OTR/L, CEES, Job Analysis and Ergonomics Specialist, Risk Administration Services*
27. **Noise Control Design for Health & Safety** *Erik Miller-Klein, PE, INCE Bd. Cert., Partner, A3 Acoustics, LLP*
28. **The Prevalence of Practicing Safety Professionals' Knowledge, Involvement, and Competency Associated with Workplace Wellness Programs** *Jennifer Laine, DrPH Candidate, MPH, CPH, ASP, CFI, Safety Manager, UTHealth Science Center Houston*
29. **Utilizing Exercise to Advance Occupational Injury Prevention** *Jon Kabance, RKT, President, BLOKINETIX*
30. **Leveraging Risk Management Tools to Prevent Fatal and Life-Changing Injury Events** *Michelle Curley, MS, CSP, ARM, Sr. Risk Management Consultant, Eastern Alliance Insurance Group*
31. **What You Wear Matters: Assessing Healthcare Worker Attire in the age of High-Reliability Healthcare** *Ben Favret, President, Vestagen*
32. **Carbon Monoxide Exposure Levels in Hookah Bar Establishments** *Mary Martinasek, PhD, Associate Professor, University of Tampa*
33. **PBE: Experience of a quality of life and wellness program for health workers** *Leonardo Piovesan Mendonça, MD, Occupational Health Coordinator, HAOC; Christiane Maria Talala Zogheib, RN, Occupational Health Nurse, HAOC; Juliana Dogue Dicezare, RN, Quality of Life Coordinator, HAOC; Carmen Silvia Roncato, BS, Physiotherapy/Ergonomics, HAOC*
34. **Decent Work and Well-being: Taking an interdisciplinary approach to worker health** *Mahima Saxena, PhD, Assistant Professor of Psychology, Industrial and Organizational Psychology, Illinois Institute of Technology*
35. **CURA System: Every Employer's Answer to Addressing Workforce Sleep and Fatigue Management** *Leigh White, JD, Executive Vice President, CurAegis Technologies*
36. **Factors Associated with Obesity in Healthcare Workers** *Christie C. Osuagwu, PhD, MPA, MSN, FNP, Assistant Professor, The University of Texas Health Science Center at Tyler; Harrison Ndetan, PhD, MS, Associate Professor, The University of Texas Health Science Center at Tyler; Jeff Levin, MD, MSPH, Professor, The University of Texas Health Science Center at Tyler; Kirk Calhoun, MD, President and Chief Executive Officer, The University of Texas Health Science Center at Tyler*
37. **Safety Risk and Occupational Rewards Perception and Trade-off: A Study in Construction** *Mohammed Azeez, PhD Student, Oregon State University*
38. **Integrative prevention: A global perspective on occupational health and wellbeing for women and men** *Bé-nédicte Calvet, MSc, PhD student, Université du Québec à Montréal*
39. **Perceptions of Age and Occupational Safety: Can Generational Labels Play a Role?** *Madison Hanscom, MS, Graduate Student, Colorado State*
40. **Using experience sampling method for total worker health** *Mahima Saxena, PhD, Assistant Professor of Psychology, Industrial and Organizational Psychology, Illinois Institute of Technology*
41. **A Qualitative Study of the Work Health and Safety of On-Demand Drivers** *Molly Tran, MD, MPH, MA, Assistant Professor, Colorado School of Public Health*
42. **Evaluation of intensive hospital staff safety measures in a 1200 bedded TB hospital in Mumbai** *Deepesh R. Vendoti, MBBS, MPH, Public Health Specialist, Observer Research Foundation Mumbai; Sanjiv P. Kharkhanis, MBBS, MS (Gen surgery), Surgical Specialist, Certified in Occupational Health Safety, Jupiter Hospital*
43. **The Psychological Risk Assessment as an Approach for an age-sensitive Workplace Health Management** *Amanda Voss, MA, Research Assistant, Institute and Outpatient Clinic of Occupational, Social, and Environmental Medicine*
44. **Health, Safety and Well-being in Urban and Rural Counties: A Snapshot of Federal Region VII** *Diane S. Rohlman, PhD, Director/Associate Professor, Healthier Workforce Center of the Midwest/University of Iowa*
45. **Small Business Wellness: Climate Assessment and Intervention for Safety Sensitive Occupations** *Shawn Reynolds, PhD, Research Scientist, Organizational Wellness & Learning Systems; Joel Bennett, PhD, President, Organizational Wellness & Learning Systems*

# HEALTH AND WELL-BEING ACTIVITIES

## Day 1 – Tuesday, May 8, 2018

11:00am – 2:15pm Seated Massages (Conf. A)  
 12:00pm – 1:30pm Quick Fit Check (Conference B)  
 3:20pm – 3:45m Tabata Training (Conference B)

## Day 2 – Wednesday, May 9, 2018

8:00am – 8:30am Vinyasa Yoga (Conference A)  
 9:00am – 9:30am Total Body Blast (Conference B)  
 11:00am – 2:15pm Seated Massages (Conf. A)  
 11:45am – 12:15pm Well-being Heart Walk  
 (Meet at registration table)  
 11:45am – 12:15pm Line Dancing (Conf. A and B)  
 12:00pm – 1:30pm Quick Fit Check (Conference B)  
 2:15pm – 2:30pm Gentle Stretch (Conference B)  
 3:45pm – 4:00pm Occupational Exercise (Conf. B)

## Day 3 – Thursday, May 10, 2018

7:30am – 8:15am PiYo Live (Conference A)  
 10:00am – 10:30am Mat Pilates (Conference A)  
 11:00am – 2:15pm Seated Massages (Conf. A)  
 12:00pm – 1:30pm Quick Fit Check (Conference B)  
 12:15pm – 12:45pm Meditation (Conference F1)  
 12:30pm – 1:00pm Well-being Heart Walk  
 (Meet at registration table)  
 2:30pm – 3:00pm Self Defense Class (Conf. B)

## Day 4 – Friday, May 11, 2018

8:00am - 9:00am Zumba (Conference A and B)

## Health and Well-Being Activity Descriptions

| Activity                                                   | Description                                                                                                                                                                                                      |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Seated Massage</b><br><i>**First come first served</i>  | After a chair massage, the client feels energized, rejuvenated, valued and relaxed. It can work wonders for your body, your mental state and your sense of well-being and happiness.                             |
| <b>Quick Fit Check</b><br><i>**First come first served</i> | Body Weight<br>Body Fat<br>BMI                                                                                                                                                                                   |
| <b>Tabata</b>                                              | Tabata Training is a High Intensity Interval Training (HIIT) comprised of 20-second set exercises of both cardio and strength training followed by 10-seconds of active recovery breaks.                         |
| <b>Vinyasa Yoga</b>                                        | Vinyasa Yoga incorporates movement from one pose to another with connection to the breath that integrates strength, flexibility, balance, cardio, physical, and mental vitality.                                 |
| <b>Total Body Blast</b>                                    | Total Body Blast is a full body workout that includes cardio, balance, strength and core training.                                                                                                               |
| <b>Well-being Heart Walk</b>                               | Take a break and follow the HeartWalk markers and tour the NIH Campus. Wellness at NIH means "Taking Our Own Best Advice!"                                                                                       |
| <b>Line Dancing</b>                                        | This class introduces you to the basic patterns and steps for line dancing by a certified line dancing instructor. Exercise, socialize and have fun in one setting.                                              |
| <b>Gentle Stretch</b>                                      | You've done the hard work now get the full benefit. Stretching will help improve results and recovery time from your hard workouts.                                                                              |
| <b>Occupational Exercise</b>                               | Take part in an engaging fitness break by warming up: a form of low-intensity resistance exercise that uses active movements to help your body both prepare for and recover from wear and tear on a daily basis. |

|                               |                                                                                                                                                                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PiYo</b>                   | PiYo is a strength fusion format that combines the athleticism of Pilates and yoga. You'll perform a series of high-intensity, low-impact moves that will promote sweating, fat burning, and work every single muscle on your body. This class is choreographed and taught barefoot on a mat.   |
| <b>Mat Pilates</b>            | This 30 minute class involves a series of classical Pilates exercises performed on a mat without equipment. Most movements are non-impact and non-weight bearing. All levels are welcome.                                                                                                       |
| <b>Mindfulness Meditation</b> | Meditation is a simple and effective way to steady the mind, give clarity to your thoughts and help you to manage stress. Join us in with guided instructions in mindfulness meditation, gentle stretching and mindful movements.                                                               |
| <b>Self Defense</b>           | Dynamic, high-energy fun classes where you learn effective, real-life self-defense skills with this popular, proven all-in-one self-defense system used by military and law enforcement. Designed for all skill levels, you will learn in an intimidation-free, safe, and friendly environment. |
| <b>Zumba</b>                  | Zumba is a dance fitness exercise class that combines all the key elements of fitness – cardio, muscle toning, balance and flexibility - with catchy tunes from around the world packaged in easy-to-follow routines. Each class can be modified for varying fitness levels.                    |

## Other Information

### VENUE: NATCHER CONFERENCE CENTER AT NIH

The 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*® will be held at The Natcher Conference Center on the historic National Institutes of Health (NIH) campus in Bethesda, MD. The Natcher Conference Center is a fully accessible, state-of-the-art conference center with the latest technology in audio-visual presentations, recordings, interactive video and audio technology.

It is highly recommended that attendees take the Metrorail subway system (<http://www.wmata.com>) to the conference center, as parking is very limited and there is a 3-hour limit on visitor parking spaces. Conveniently, the Metrorail's Red Line includes a stop (Medical Center) on the NIH Campus itself. The Natcher Conference Center is located directly behind the Medical Center Stop, and is only a short, healthy, 5-minute walk away.

When planning your arrival time each day, please keep in mind that additional time may be necessary to get through security on the NIH campus.

For more information on getting to the Natcher Conference Center, security information, and parking, please visit <https://www.genome.gov/11007522/#sthash.XnozCeVO.dpuf>

Please note: NIH is a tobacco-free campus. The use of all tobacco products (including cigarettes, cigars, pipes, smokeless tobacco, or other tobacco products) is prohibited at all times.

## REGISTRATION

To register for the 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*<sup>®</sup>, please visit <https://www.twhsymposium.org/registration/>.

| Fees              | By March 31 <sup>st</sup> , 2018 | On or after April 1 <sup>st</sup> , 2018 |
|-------------------|----------------------------------|------------------------------------------|
| Symposium         | \$545                            | \$645                                    |
| Workshops         | \$195 ea.                        | \$195 ea.                                |
| Full-time Student | \$295                            | \$295                                    |

Please Note: Your registration does not include any food.

Cancellation and Substitution Policies: Individuals who cancel on or before April 17, 2018 will receive a full refund. A 50% refund will be issued for cancellations made between April 18, 2018 and April 28, 2018. No refunds will be issued for cancellations made after April 29, 2018. Substitutions for a registered attendee may be made at any time. Notification of cancellation or substitution must be received in writing at [eagleson@eagleson.org](mailto:eagleson@eagleson.org).

## CONTINUING EDUCATION INFORMATION

### ACCREDITATION STATEMENTS:

**CME activities with Joint Providers:** This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint provider-ship of the Centers for Disease Control and Prevention, Center for Health, Work & Environment/Colorado School of Public Health and Eagleston Institute. The Centers for Disease Control and Prevention is accredited by the (ACCME<sup>®</sup>) to provide medical education for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Centers for Disease Control and Prevention designates this **live activity** for a maximum of **(24) AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**CNE:** The Centers for Disease Control and Prevention is accredited as a provider of Continuing Nursing Education by the American Nurses Credentialing Center's Commission on Accreditation.

This activity provides **<23.6>** contact hours.

**CEU:** The Centers for Disease Control and Prevention is authorized by IACET to offer **<2.6>** CEU's for this program.

# CONTINUING EDUCATION AND OTHER INFORMATION

**CECH:** Sponsored by the Centers for Disease Control and Prevention, a designated provider of continuing education contact hours (CECH) in health education by the National Commission for Health Education Credentialing, Inc. This program is designated for Certified Health Education Specialists (CHES<sup>®</sup>) and/or Master Certified Health Education Specialists (MCHES<sup>®</sup>) to receive up to <26> total Category I continuing education contact hours. Maximum advanced level continuing education contact hours available are **0**. CDC provider number **98614**.

## **For Certified Public Health Professionals (CPH)**

The Centers for Disease Control and Prevention is a pre-approved provider of Certified in Public Health (CPH) recertification credits and is authorized to offer **(29)** CPH recertification credits for this program.

**DISCLOSURE:** In compliance with continuing education requirements, all presenters must disclose any financial or other associations with the manufacturers of commercial products, suppliers of commercial services, or commercial supporters as well as any use of unlabeled product(s) or product(s) under investigational use.

CDC, our planners, our presenters, and their spouses/partners wish to disclose they have no financial interests or other relationships with the manufacturers of commercial products, suppliers of commercial services, or commercial supporters with the exception of Deborah McClellan, PhD, MHS and she wishes to disclose Full Time Employment at Center for Work, Health, and Well Being; Margaret Henning, PhD, MA and she wishes to disclose Currently working on a Fulbright Research Award; Nico Pronk, PhD and he wishes to disclose Full Time employment at HealthPartners, Inc.; W. Kent Anger, PhD and he wishes to disclose President of Northwest Education Training and Assessment, a company that markets training titles.

Planning committee reviewed content to ensure there is no bias.

Presentations will not include any discussion of the unlabeled use of a product or a product under investigational use.

CDC did not accept commercial support for this continuing education activity.

The Centers for Disease Control and Prevention, Center for Health, Work & Environment/ Colorado School of Public Health and Eagleson Institute are jointly providing the CNE for this activity.

CDC did not accept commercial support for this continuing education activity.

## **Instructions for Obtaining Continuing Education (CE)**

In order to receive continuing education (CE) for CM2925-Total Worker Health International Symposium please visit [TCEO](http://www.cdc.gov/GetCE) at [www.cdc.gov/GetCE](http://www.cdc.gov/GetCE) and follow these [9 Simple Steps](#) before 06/08/2018. Complete the activity.

Complete the Evaluation at [www.cdc.gov/GetCE](http://www.cdc.gov/GetCE).

**FEES: There are no fees for CE.**

# CONCURRENT SESSIONS TABLES

## Wednesday, May 9, 2018

| Session 1   1:00- 2:15                                                                                            | Session 2   2:30- 3:45                                                                    | Session 3   4:00- 5:15                                                                                    |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| SESSION 1.1 <b>AUDITORIUM</b><br>TWH Strategies for Preventing Acute and Chronic Diseases                         | SESSION 2.1 <b>AUDITORIUM</b><br>Strategies for Returning to Work                         | SESSION 3.1 <b>AUDITORIUM</b><br>Workforce Development Panel: Lessons Learned and Next Steps              |
| SESSION 1.2 <b>BALCONY A</b><br>Workers Challenges and Solutions in Transportation                                | SESSION 2.2 <b>BALCONY A</b><br>Issues in Mental health and Stress in the Workplace       | SESSION 3.2 <b>BALCONY A</b><br>TWH Approaches in Agricultural Communities                                |
| SESSION 1.3 <b>BALCONY B</b><br>Advancing the Safety and Health of an Aging Workforce: Research & Practice Issues | SESSION 2.3 <b>BALCONY B</b><br>Intergenerational Perspectives                            | SESSION 3.3 <b>BALCONY B</b><br>Addressing First Responder and Firefighter Safety, Health, and Well-being |
| SESSION 1.4 <b>BALCONY C</b><br>Exploring Workplace and Policy Landscapes                                         | SESSION 2.4 <b>BALCONY C</b><br>Small Businesses, Big Impact I                            | SESSION 3.4 <b>BALCONY C</b><br>People and Places: The Built Environment's Influence                      |
| SESSION 1.5 <b>ROOM E1/E2</b><br>Novel Approaches in Fatigue Management                                           | SESSION 2.5 <b>ROOM E1/E2</b><br>Healthy Workplace Programs                               | SESSION 3.5 <b>ROOM E1/E2</b><br>Implementing TWH in Workers' Compensation Settings                       |
| SESSION 1.6 <b>ROOM F1/F2</b><br>Approaches for TWH Implementation and Translation                                | SESSION 2.6 <b>ROOM F1/F2</b><br>Strategies for Opioid and other Substance Abuse Programs | SESSION 3.6 <b>ROOM F1/F2</b><br>Case Studies in Manufacturing Settings                                   |

## Thursday, May 10, 2018

### Highlights of ISSA'S Vision Zero Campaign 1:15 – 5:30pm

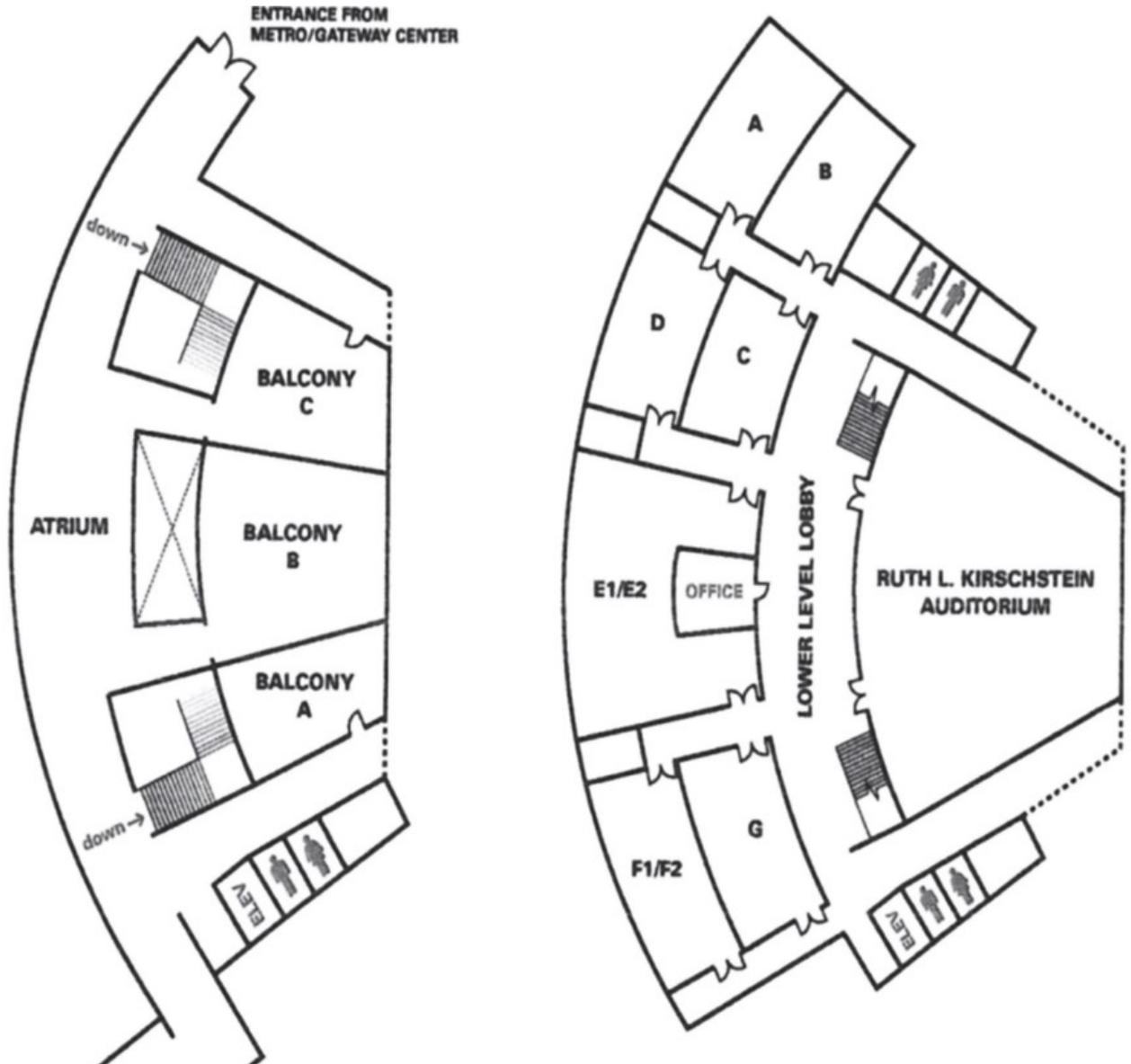
**VISION ZERO**   
Safety.Health.Wellbeing.

The International Social Security Association (ISSA) launched the first global prevention campaign to improve safety, health and well-being at work on a global perspective during the XXI World Congress on Safety and Health at Work in Singapore in September 2017. The **Vision Zero Campaign** aims to engage partners—institutions and organizations—as well as companies worldwide to reduce occupational accidents and diseases by focusing on responsible leadership and investing in healthy workplaces and a motivated workforce. This half-day **Vision Zero Campaign** for North America launch event will be organized by the ISSA in the course of 2<sup>nd</sup> International Symposium to Advance *Total Worker Health*<sup>®</sup>.

SESSIONS 4.1, 5.1, 6.1 **AUDITORIUM**  
Highlights of ISSA's Vision Zero Safety, Health and Well-being Campaign  
*Please see expanded program on the following page*

| Session 4   1:15 - 2:30                                                                                                                         | Session 5   2:45 - 4:00                                                                                                                                                               | Session 6   4:15 - 5:30                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| SESSION 4.2 <b>BALCONY A</b><br>Healthier Federal Workers                                                                                       | SESSION 5.2 <b>BALCONY A</b><br>Methods for TWH Research                                                                                                                              | SESSION 6.2 <b>BALCONY A</b><br>Preventing Violence in the Healthcare Setting |
| SESSION 4.3 <b>BALCONY B</b><br>Integrating TWH Practices into Healthcare Settings                                                              | SESSION 5.3 <b>BALCONY B</b><br>Workforce Health is Population Health                                                                                                                 | SESSION 6.3 <b>BALCONY B</b><br>Strategies for Healthier Work                 |
| SESSION 4.4 <b>BALCONY C</b><br>Integrated Approaches to Prevention                                                                             | SESSION 5.4 <b>BALCONY C</b><br>Health and Well-being Challenges and Interventions for Correctional Workers                                                                           | SESSION 6.4 <b>BALCONY C</b><br>Practical Applications of TWH                 |
| SESSION 4.5 <b>ROOM E1/E2</b><br>Small Businesses, Big Impact II                                                                                | SESSION 5.5 <b>ROOM E1/E2</b><br>Community Integration and Collaborations with Health Departments                                                                                     | SESSION 6.5 <b>ROOM E1/E2</b><br>Novel TWH Measurement Strategies             |
| Session 4.6 <b>ROOM F1/F2</b><br>Applying New and Broad Ways to Use Data Sources and Metrics to Assess the Relationship between Work and Health | For details of concurrent sessions, please see our full program online at <a href="https://www.twhsymposium.org/symposium-agenda/">https://www.twhsymposium.org/symposium-agenda/</a> |                                                                               |

# NIH NATCHER CONFERENCE CENTER MAP



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2<sup>nd</sup> International Symposium 2018



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