1st International Symposium to Advance
Total Worker Health™

National Institutes of Health, Bethesda, MD
October 6–8, 2014
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference Contributors</td>
<td>3</td>
</tr>
<tr>
<td>About the Symposium</td>
<td>4</td>
</tr>
<tr>
<td>National Occupational Research Agenda</td>
<td>4</td>
</tr>
<tr>
<td>Meeting Highlights</td>
<td>5</td>
</tr>
<tr>
<td>Health and Well Being Activities</td>
<td>6</td>
</tr>
<tr>
<td>Sponsors and Exhibitors</td>
<td>7</td>
</tr>
<tr>
<td>NIOSH Centers Of Excellence</td>
<td>8</td>
</tr>
<tr>
<td>Total Worker Health Affiliate Program</td>
<td>10</td>
</tr>
<tr>
<td>Agenda At-A-Gla</td>
<td>12</td>
</tr>
<tr>
<td>Conference Center Map</td>
<td>13</td>
</tr>
<tr>
<td>Continuing Education Credits</td>
<td>13</td>
</tr>
<tr>
<td>Presymposium Workshops</td>
<td>14</td>
</tr>
<tr>
<td>Opening Session</td>
<td>16</td>
</tr>
<tr>
<td>Plenary Session I</td>
<td>18</td>
</tr>
<tr>
<td>Poster Sessions</td>
<td>20</td>
</tr>
<tr>
<td>Concurrent Sessions</td>
<td>24</td>
</tr>
<tr>
<td>Plenary Session II</td>
<td>38</td>
</tr>
<tr>
<td>Plenary Session III</td>
<td>40</td>
</tr>
<tr>
<td>Postsymposium Workshops</td>
<td>42</td>
</tr>
<tr>
<td>Venue Information</td>
<td>44</td>
</tr>
<tr>
<td>Registration and Hotel</td>
<td>45</td>
</tr>
</tbody>
</table>
**Conference Contributors**

### Presenting Partners

This meeting is brought to you by the following prestigious partners:

National Institute for Occupational Safety and Health (NIOSH)
NIOSH-funded Centers of Excellence to Promote a Healthier Workforce
- Center for the Promotion of Health in the New England Workplace
- Harvard School of Public Health Center for Work, Health and Wellbeing
- University of Iowa Healthier Workforce Center for Excellence
- Oregon Healthy Workforce Center
- Centers for Disease Control and Prevention
- National Institutes of Health
- Eagleson Institute
- University of Colorado Center for Worker Health and Environment
- University of Georgia College of Public Health
- Communications Workers of America
- American Industrial Hygiene Association
- American College of Occupational and Environmental Medicine
- American Psychological Association
- Veterans Health Administration
- American Association of Occupational Health Nurses
- Association of Occupational and Environmental Clinics
- Laborers’ Health & Safety Fund of North America

### NIOSH Planning Committee

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### Scientific Panel

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**American Industrial Hygiene Association (AIHA)**
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Gwen Keita, PhD, Executive Director - Public Interest

**Association of Occupational and Environmental Clinics (AOEC)**
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**Communications Workers of America**
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**Veterans Health Administration**
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**World Health Organization**
Julietta Rodriguez-Guzman, MD SOH MScA, Regional Advisor on Workers’ Health, Pan American Health Organization Regional Office of the WHO
The National Institute for Occupational Safety and Health (NIOSH), part of the US Centers for Disease Control and Prevention (CDC), together with over 14 prestigious partners is excited to announce the 1st International Symposium to Advance TOTAL WORKER HEALTH™. Building upon successful past meetings of the 2004 NIOSH Steps to a Healthier US Workforce Conference and the 2007 NIOSH WorkLife National Symposium, this meeting seeks to advance the tenets of Total Worker Health.

Join more than 500 scientists and practitioners from around the world who are dedicated to both protecting and promoting the safety, health, and well-being of workers in exploring the developing research, practices, programs and policies using a coordinated approach that integrates health protection and health promotion. The Symposium will be held October 6-8, 2014 on the beautiful campus of the National Institutes of Health in Bethesda, MD.

For more information, or to register for the 1ST International Symposium to Advance TOTAL WORKER HEALTH™, please visit www.eagleson.org/TWH
MEETING HIGHLIGHTS

Be inspired to make an impact by attending the Opening Session with renowned national and international leaders and three Plenary Sessions that explore new frontiers in worker health, safety, and well-being

Learn from leading experts in over thirty-six 75-minute, scientific and practice sessions demonstrating current research and workplace approaches that aim to integrate health protection and health promotion

Take part in the 30+ poster session describing novel research and best practices on safeguarding and promoting worker health

Build on your professional development with world-class, state of the art strategies and implementation tools for creating enhanced cultures of safety and health in the Pre and Post Conference Workshops

Expand your network of peers, connect, and exchange ideas and innovative solutions, and develop collaborations with multidisciplinary professionals from across the globe on similar workplace safety and health challenges

Provide invaluable input that will help shape the very first research agenda for the Nation on integrating occupational safety and health protection with health promotion in two town hall forums.

Share your input on the future development of a TOTAL WORKER HEALTH Workforce

Experience a conference that enables you to act on your own health and well-being throughout with opportunities to be physically active and eat nutritious meals on the beautiful NIH campus

Stay connected with us before, during, and after the Symposium via Twitter using #TWH2014

Extend your conference experience and learn proven and promising practices for a healthier workforce from throughout the Federal spectrum at Healthier Federal Workers 2014 Conference held October 8-10 at the NIH Natcher Conference Center. More details: www.eagleson.org/HFW
HEALTH AND WELL-BEING ACTIVITIES

October 6, 2014
12:00-1:00 National Library of Medicine Tour (please sign up at the well-being table)
12:00-12:30 Salsa Dancing ROOM A
12:30-1:00 Afro Latin Dancing ROOM A
3:00-3:30 Yoga ROOM A

October 7, 2014
7:30-8:00 Zumba ROOM A
8:00-8:30 Cardio Kickboxing ROOM A
11:00-12:15 Cross Fit demo ROOM A
12:30-1:45 Walk Around Campus (please sign up at the well-being table)
2:00-5:00 Massages ROOM B

October 8, 2014
7:30-8:00 Pilates ROOM A
8:00-8:30 Yoga ROOM A
10:00-10:30 Lecture on Mediation / Mindfulness ROOM F1/F2

Let your voice be heard!

Let your voice be heard! Comment on the Proposed National TOTAL WORKER HEALTH™ Agenda

Conference attendees are invited to provide input on the top priority issues to include in the Proposed National Total Worker Health™ Agenda. The National Institute for Occupational Safety and Health (NIOSH) of the Centers for Disease Control and Prevention (CDC) intends to publish a National Agenda on Total Worker Health™. This agenda, which is in draft form, is meant to stimulate innovative research, practical applications, policy guidance, and capacity-building of researchers and practitioners to improve workplace practices as they relate to Total Worker Health.

All comments are welcome; but NIOSH specifically seeks those that address the following questions:

- Do you see your own organization’s goals reflected in the Proposed National Total Worker Health Agenda?
- What are the bridges between your own work and the Proposed National Total Worker Health Agenda?
- Are there any missing components or gaps in the Proposed National Total Worker Health Agenda?

All conference participants who have registered to attend one or both of the conferences, limited only by the capacity of the conference room, are invited listen in at one of the following three town-hall sessions. Participants who have pre-registered to provide brief oral comments will be given priority. If time permits, session participants who have not signed up in advance may provide oral comment.

- October 7, 2014, 12:30 - 1:45 PM ROOM E1/E2
- October 7, 2014, 5:00 - 6:15 PM AUDITORIUM

To view the draft Agenda and to learn more, visit www.cdc.gov/niosh/docket and search for NIOSH Docket 275, or visit us at the NIOSH Total Worker Health exhibit table.
NIOSH Centers of Excellence to Promote a Healthier Workforce

**Center for the Promotion of Health in the New England Workforce (CPH-NEW)**

CPH-NEW researchers study the intersection of work and non-work risk factors, and the role of work organization and job stress in health behaviors as well as health and safety. We have experience in healthcare, corrections, manufacturing, and non-profit organizations. Our robust outreach program offers practical real-world tools, supported by research findings, to engage all levels of the organization in the design and implementation of TWH programs for employee health, safety and well-being, with continuous improvement and long-term sustainability.

Contacts:
Laura Punnett, ScD, Co-Director, cphnew@uml.edu, uml.edu/centers/CPH-NEW
Martin Cherniack, MD, Co-Director, cherniack@uchc.edu, cphnew.uchc.edu

**The University of Iowa Healthier Workforce Center for Excellence**

The Healthier Workforce Center for Excellence improves the health of workers through integrated health promotion and health protection research, collaboration, and dissemination of successful interventions. Current research studies focus on ergonomics and wellness; best and promising Total Worker Health™ practices among small employers; and experiences of health insurance and employer-based wellness programs among Iowa businesses. Community members, researchers and students are also engaged through pilot project research grants.

Contact:
James A. Merchant, MD, DrPH, Center Director
james-merchant@uiowa.edu
www.hwce.org
The Center for Work, Health and Wellbeing designs, tests, implements, and disseminates worksite policies, programs and, practices that integrate health promotion and protection, with a primary focus on healthcare, construction, and manufacturing. We use a common conceptual framework, offer the SafeWell Guidelines to help employers implement integrated approaches, and have articulated indicators of integrated approaches useful in defining best practices and adapting them across settings.

Contacts:
Glorian Sorensen, PhD, Principal Investigator, glorian_sorensen@dfci.harvard.edu
Jack Dennerlein, PhD, Co-Principal Investigator, j.dennerlein@neu.edu
http://centerforworkhealth.sph.harvard.edu/

The Oregon Healthy Workforce Center (OHWC) is a trans-disciplinary collaboration among the Oregon Health and Science University, Portland State University, the Kaiser Center for Health Research (Portland), and the University of Oregon’s Labor Education and Research Center. The OHWC theme is intervention effectiveness employing team-based and technology-based interventions to promote and protect health in homecare, construction and corrections workers, and young workers.

Contact:
W. Kent Anger, PhD, Principle Investigator
anger@ohsu.edu
www.ohsu.edu/ohwc
The mission of the NIOSH Total Worker Health™ Affiliate (Affiliate) Program is to advance greater integration of worker health protection and health promotion through collaborations with public and not-for-profit organizations.

**The goals of the Affiliate Program are:**

1. Increase the visibility, uptake, and impact of Total Worker Health (TWH) to advance the safety, health and well-being of workers.
2. Attract new collaborators to enrich and broaden current NIOSH TWH translational research.
3. Attract 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.

“At NIOSH, we recognize the benefits of integrating traditional workplace safety and health programs with newer worker health promotion programs to achieve total worker health” said NIOSH Director John Howard, M.D. “The Affiliate Program helps to further advance the integration of health protection and health promotion within other organizations.”

**How can my organization become an Affiliate?**

Participation in the Affiliate Program is voluntary and intended for public sector entities; labor organizations; academic institutions; federal, state, or local entities; and non-profit associations that align with the principles of a Total Worker Health approach. Any parties interested in becoming a NIOSH TWH Affiliate may contact the Office for Total Worker Health via email at [twh@cdc.gov](mailto:twh@cdc.gov).

More information on the NIOSH Total Worker Health Affiliate Program, including FAQs, can be found on the NIOSH Total Worker Health website at [http://www.cdc.gov/niosh/twh/affiliate.html](http://www.cdc.gov/niosh/twh/affiliate.html).
Here are some examples of what NIOSH Total Worker Health Affiliates are doing to promote Total Worker Health:

The Center for Worker Health and Environment at the University of Colorado School of Public Health has a robust and growing continuing education program, public-private partnerships, and community-based initiative to integrate worksite health promotion and health protection.

The National Aeronautics and Space Administration (NASA) has proactively taken steps to bring together its diversity of occupational health, environmental health, workers compensation, wellness, and employee assistance programs to integrate occupational safety and health protection with health promotion.

Dartmouth-Hitchcock’s (DH’s) vision is to achieve the healthiest population possible, leading the transformation of health care in the Northeast U.S. region and setting the standard for our nation. Live Well/Work Well’s mission is to improve and maintain the health and well-being of DH employees and their families by creating a supportive culture which provides access to resources and services that motivate, encourage and promote healthy lifestyles and foster resilience.

The Kentucky Department for Public Health, through the Worksite Wellness Initiative, the Kentucky Injury Prevention and Research Center, and the Kentucky Safety and Prevention Alignment Network, is developing a state-level steering committee made up of private and public sector organizations who will provide leadership in the development of a whole person safety and health model for employers and a public awareness campaign for TWH in Kentucky.

The Mount Sinai Health System explores innovative strategies that integrate health protection and health promotion activities for its 36,000 employees in order to create a work environment that makes the healthy and safe choices the easy choices. As a NIOSH TWH Clinical Center of Excellence, the Mount Sinai Selikoff Centers for Occupational Health will offer health promotion services to patients and collaborate with employers to develop comprehensive workplace health and safety programs. The Department of Preventive Medicine will spearhead research and training initiatives on TWH strategies.

The mission of the Kentucky Injury Prevention and Research Center (KIPRC) as a NIOSH TWH Affiliate is to join worker safety and health with community safety and health promotion through collaborations with public and not-for-profit organizations. KIPRC envisions Total Worker HealthTM in Kentucky as a holistic and empowering strategy to meld worker well-being with injury and illness prevention in local businesses and communities.
Agenda At-a-Glance
Monday, October 6, 2014

7:30  Registration
8:30  **PRESYMPOSIUM WORKSHOPS**
12:00 Lunch

**OPENING SESSION**
1:00  Welcome
1:30  Total Worker Health: Why it Matters to You, Your Organization and to the World
2:00  Welcome Remarks from Labor Partners and the National Institutes of Health
2:30  Conference Opening Remarks and Recognition
3:00  Health & Wellbeing Break

**PLENARY SESSION I**
3:30  Research Frontiers in Total Worker Health: Unique Perspectives from the NIOSH TWH Centers of Excellence
4:45  Demonstrating the Real-World Efficacy of TWH: Improving Health Among High-Risk Populations
5:30  Conclusion - Day One

Tuesday, October 7, 2014

7:30  Registration
8:00  **POSTER SESSIONS**
9:30  **CONCURRENT SESSIONS**
6:15  Conclusion - Day Two

Wednesday, October 8, 2014

7:30  Registration

**PLENARY SESSION II**
**Maximizing Total Worker Health- A Panel Session**
8:30  Striving to Attain the Healthiest Workforce in Health Care: Kaiser Permanente’s Vision and Strategy
9:00  Workplace Violence Prevention: VHA Optimizes the Psychosocial Work Environment
9:30  Connecting the Dots: Increasing Investments in People for Better Business Performance
10:00 Health & Wellbeing Break

**PLENARY SESSION III**
**Creating the First Generation of TWH Professionals: An Interactive Q/A Session on Redesigning the Occupational Health and Safety Curriculum-A Panel Session**
10:30 Introduction
10:50 Panel and Q/A Discussion
11:45 Closing Remarks and Call to Action
12:00 Lunch
1:00  **POSTSYMPOSIUM WORKSHOPS**
4:30  Conclusion - Day Three
OBJECTIVES

At the end of the conference, attendees will be able to:

• Describe current research on the integration of health protection and health promotion.
• Describe successful programs that integrate health protection and health promotion.
• Describe successful policies that integrate health protection and health promotion.

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 providership of the Centers for Disease Control and Prevention and Eagleson Institute. The Centers for Disease Control and Prevention is accredited by the (ACCME®) 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 event for a maximum of 19.0 AMA PRA Category 1 Credits™.

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 18.4 contact hours.

CEU: The Centers for Disease Control and Prevention is authorized by IACET to offer 1.8 CEU's for this program.

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) and/or Master Certified Health Education Specialists (MCHES) to receive up to 20.0 total Category I continuing education contact hours. Maximum advanced level continuing education contact hours available are 0 CDC provider number GA0082.

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, 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:

• Judith Analco, who is an employee of ERM Consultants
• W. Kent Anger, whose is president of Northwest Education Training and Assessment
• Colleen Broersma, who is a self-employed Health and Productivity Management Consultant
• Mary Capelli-Schellpfeffer, who receives royalties from the sales of the Healthcare Safety Handbook
• Diane Elliot, who is a partner in Odyssey Science Innovations, LLC, which licenses the PHLAME TWH program
• Allison Heller-Ono, president and CEO of Worksite International, Inc.
• Wendy Lynch, who serves on the board of directors of MGCD and Altarum, and as a consultant to Teladoc and WalMart
• Kayur Patel, who receives salaries from the companies Advocating Health, Health Care Excel, Wellness for Life and Premier Health Consulting
• Dinah Rohlman, developer of the cTRAIN software that is licensed to NwETA and a manager at NwETA
• Paul A. Terpeluk, a board member of Jenny Craig/Curves

Planning committee discussed conflicts of interest with all the above 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 does not accept commercial support.

To receive continuing education (CE):
Complete the activity
Complete the Evaluation at www.cdc.gov/TCEOnline

FEES: Registration fees are $375 for speakers wishing to attend the entire conference, and for all other attendees the fees are $495 early bird/$595 regular registration.
**Presymposium Workshops**

**MONDAY, OCTOBER 6, 2014 | 8:30 AM – 12:00 PM**

**PRE01 Translating Integrated Health and Safety Research into Practice: Exploring and Implementing Harvard’s SafeWell Practice Guidelines**


Growing evidence indicates that integrating worksite wellness practices with occupational health and safety can have a positive impact on employee health. This workshop will provide participants with an overview of the SafeWell Practice Guidelines and the resources necessary to guide successful implementation of integrated approaches at their worksites. These resources include case studies of how this approach is utilized by a large health care organization and a health promotion vendor. Participants will also interact with presenters and learn how to apply the planning approach to their own organizations.

**PRE02 The Healthy Workplace Participatory Approach: A Research to Practice Toolkit for Implementing Integrated Health Protection/Health and Safety Promotion in Your Organization**

Suzanne Nobrega, MS, Center for the Promotion of Health in the New England Workplace (CPH-NEW) University of Massachusetts Lowell; Michelle Robertson, PhD, CPE, Center for Behavioral Science Liberty Mutual Research Institute for Safety

This workshop will introduce participants to the recently released CPH-NEW Healthy Workplace Participatory Program (HWPP) web-based toolkit (www.uml.edu/cphnewtoolkit). The tools provide organizations with a systematic, participatory program approach to develop integrated health, safety and wellness interventions. Participants will learn the scientific evidence underlying the program design; navigate to find key program tools; take an organizational readiness assessment survey; and, practice using the IDEAS intervention planning tool for developing integrated health protection/health promotion interventions. Workshop leaders will use case studies to show how the materials can be adapted for various organizational characteristics and safety and health concerns.
**PRE03 Creating Healthy Small Businesses: Engaging and Growing Promising Practices for Health and Safety**

Lee Newman, MD, MA, FACOEM, FCCP, Colorado School of Public Health and School of Medicine, Center for Worker Health and Environment; Liliana Tenney, MPH, Colorado School of Public Health and School of Medicine, Center for Worker Health and Environment; Adam Atherly, PhD, Colorado School of Public Health and School of Medicine

The average employed American spends one-third of their time at work, making the workplace a logical location for promoting healthy behaviors and introducing preventive strategies, to large numbers of individuals. However, there is mounting evidence that small businesses in the United States lag in the adoption of health promotion programs, despite evidence of some potential benefits. This workshop will explore the theme of worksite wellness in small businesses settings. Participants will learn about the research to practice approach that the University of Colorado’s Center for Worker Health and Environment is implementing and evaluating to promote the health and safety in Colorado small businesses and will explore two projects as examples. Participants will learn potential barriers for adoption in worksite wellness programs, key components of quality interventions, approaches to evaluate the economic benefits, and an understanding of methods for implementing health promotion and health protection in local communities.

**PRE04 Economic Evaluation of Total Worker Health: Examining Prevention Effectiveness, Cost-Benefit and Decision Analysis**

Abay Asfaw, PhD, NIOSH; Tapas K. Ray, PhD, NIOSH

This workshop will introduce prevention effectiveness methods of decision analysis and economic evaluation, and the principles used to assess the costs and effectiveness of interventions all with the focus on integrated programs that address both health protection and health promotion. At the conclusion of the workshop, participants should be able to 1) recognize the usefulness of decision analytic methods in occupational safety and health research; 2) construct and use a decision tree; 3) identify three economic methods that can be used to evaluate interventions; 4) plan a prevention effectiveness study for a specific intervention; and, 5) calculate and interpret average and incremental cost-effectiveness ratios. Participants will have the opportunity to work through and discuss an interactive case study.
**TOTAL WORKER HEALTH: Why it Matters to You, Your Organization and to the World**

*John Howard, MD, MPH, JD, LLM, Director, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*

John Howard serves as the Director of NIOSH in the U.S. Department of Health and Human Services in Washington, D.C. He served in this capacity from July 2002 to July 2008 and was re-appointed in September 2009. Prior to his appointment as Director of NIOSH, Dr. Howard served as Chief of the Division of Occupational Safety and Health in the California Department of Industrial Relations from 1991 through 2002.

Dr. Howard received his Doctor of Medicine from Loyola University of Chicago in 1974, his Master of Public Health from the Harvard School of Public Health in 1982, his Doctor of Law from the University of California at Los Angeles in 1986, and his Master of Law in Administrative Law from the George Washington University in Washington, D.C. in 1987. Dr. Howard is board-certified in internal medicine and occupational medicine. He is admitted to the practice of medicine and law in the State of California and in the District of Columbia, and he is a member U.S. Supreme Court bar. He has written numerous articles on occupational health law and policy.

**Improving Quality of Life in the Workplace: Moving Beyond Traditional Wellness**

*Thomas Jelley M.Sc.,FRSA*

Thomas Jelley M.Sc.,FRSA, Director, Sodexo Institute for Quality of Life

Thomas joined Sodexo in 2008 with responsibility for corporate citizenship across the Sodexo UK & Ireland business. In this role he was one of the co-authors of the Better Tomorrow Plan, the company’s global sustainability strategy to 2020. Since October 2013, Thomas has been the director of the Sodexo Institute for Quality of Life which aims to help Sodexo know and understand what contributes to the Quality of Life of individuals and help Sodexo to identify the levers that contribute to the performance of organizations. The Institute is a platform for external stakeholder engagement on Quality of Life and serves as a central resource for Sodexo colleagues worldwide.

Thomas has dual British and French nationality and works in London and Paris. He holds English and French law degrees, was previously a lawyer and has a M.Sc. in Sustainable Development.
Professor mc schraefel, ph.d., cscs, c.eng, f.bcs is a Professor of Computer Science and Human Performance at the University of Southampton in the UK where she is the deputy head of the Agents Interaction and Complexity Group and directs the Human Performance Design Lab, and where she holds a joint Royal Academy of Engineering / Microsoft Research Chair in Innovation Creativity and Discovery. Her work is focused on interrogating both where and how internet based, interactive technology can be designed to enhance wellbeing. One of the projects she leads is the five year ReFresh project from the Engineering and Physical Sciences Research Council in the UK to consider how interactive technology may be situated in the work environment to cue physical and cognitive performance benefit, as well as help inform better environments for workplace wellbeing.
Research Frontiers in TOTAL WORKER HEALTH: Unique Perspectives from the NIOSH Centers of Excellence to Promote a Healthier Workforce

James A. Merchant, MD, DrPH; Martin Cherniack, MD, MPH; W Kent Anger, PhD; and, Glorian Sorensen, PhD, MPH

The four NIOSH-funded Centers of Excellence to Promote a Healthier Workforce are unified in the mission to create new knowledge that informs both practice and science on the integration of health protection and health promotion. Each Center employs a unique approach, including multiple research and outreach and translational projects in various sectors - large and small workplaces, public and private, urban and rural. The Centers are addressing critical gaps in the evidence base supporting TWH.

This plenary session will feature a panel of four brief presentations, one from each Center of Excellence, providing a description of their fundamental approaches to Total Worker Health and exemplars from their research, followed by discussion with the audience to identify new research directions and challenges.

Attendees will learn:
• A range of approaches to integrated health and safety used across the Centers of Excellence
• Measures being used in the Centers, including relationships observed among worker health outcomes, the work organization and environment, employment productivity measures and cost implications
• The importance of these results for TWH approaches to intervention and research to practice, as well as employee participation, program priority-setting and design

James A. Merchant, MD, DrPH, Founding Dean, Professor and Director of the HWCE, College of Public Health, University of Iowa

Dr. Merchant is trained in Pulmonary and Environmental Medicine (Duke) and Epidemiology (UNC), served 9 years in the U.S Public Health Service and 7 as Director of the Appalachian Laboratory for Occupational Safety and Health, and since 1981 as a Professor in Occupational and Environmental Health and Pulmonary and Occupational Medicine, department head and founding dean of the College of Public Health, and founding director of the Healthier Workforce Center for Excellence (2006-present). His HWCE research has focused on statewide surveys of TWH practices and measures of well-being in relation to worker health and productivity.

Martin Cherniack, MD, MPH, Professor of Medicine and co-Director of the Center for the Promotion of Health in the New England Workplace (CPH-NEW)

Dr. Cherniack has done occupational medicine and human factors related studies involving sound and vibration and health intervention studies in the public and private sectors. The scientific group is cross-disciplinary, and includes investigators in occupational medicine, work psychology, biomedical engineering, industrial hygiene, acoustics and health promotion.
W Kent Anger, PhD, Senior Scientist and Associate Director in the Institute of Occupational Health Sciences, Professor of Public Health and Preventive Medicine & Behavioral Neuroscience, and Director, Oregon Healthy Workforce Center, Oregon Health & Science University

The primary focus of Dr. Anger’s research is on: (a) the development of behaviorally-based computer training technology to teach the full range of workplace populations, and (b) the application of training technologies to prevent health and safety hazards, teach job skills to managers/supervisors and employees, improve well-being/wellness/work-family balance, and reduce the impact of domestic violence on the workplace (intervention effectiveness).

Glorian Sorensen, PhD, MPH, Professor and Director of the HSHP Center for Work, Health and Wellbeing, Harvard School of Public Health

Dr. Sorensen and her research team have conducted a range of studies focused on designing and testing interventions to promote and protect worker health, including among workers in hospitals, construction, transportation, and manufacturing. Her research team has provided evidence demonstrating that the integration of occupational health and safety with worksite health promotion can significantly enhance health behavior change among blue-collar workers.

Brenda Schmidt, MS, MBA, Founder, President and CEO, Viridian Health Management

As the architect of numerous successful community and worksite health programs, Brenda Schmidt is an expert on integrative healthcare services that deliver positive health and financial outcomes for employers, communities, and healthcare delivery networks. Schmidt works in collaboration with the Centers for Disease Control and the U.S. Department of Health and Human Services on the National Healthy Worksite Program. She is also an adjunct professor in the College of Nursing and Health Innovation at Arizona State University. In addition, Schmidt also serves a leadership role in the Health Enhancement Research Organization (HERO) Think Tank, the Population Health Alliance, the Arizona Diabetes Coalition Leadership Council, and the Clinton Foundation’s Health Matters Initiative.

Demonstrating the Real-World Efficacy of Total Worker Health: Improving Health Among High-Risk Populations

Brenda Schmidt, MS, MBA, Founder, President and CEO, Viridian Health Management

In this Session, you will hear a real-world example of how the evidence-based practice of Total Worker Health (TWH) reduced the risk of cardiovascular disease (CVD) and improved the health of employees.

Attendees will learn:
- How to integrate worksite health initiatives with primary care and occupational medicine
- The importance of leadership buy-in and integrating a TWH program into the fiber of an organization and its workers
- How to employ effective TWH strategies like motivational interviewing to engage workers in making their own healthy choices and leveraging available resources to improve their wellness and resilience
Poster Sessions
TUESDAY, OCTOBER 7, 2014 | 8:00 AM - 9:30 AM

1. Walk the Walk: A Multifaceted Approach to Total Worker Health Implemented by a Leading Public Health Communications Firm
Teddy Roebuck, MHS, CIRS, CSC-AD, Information Services Manager/Corporate Wellness Coordinator, IQ Solutions, Inc.; Sarah Byrnes, MA, Health Communications Manager, IQ Solutions, Inc.; Courtney Carlson, CIRS, Senior Bilingual Health Information Specialist/Corporate Wellness Coordinator, IQ Solutions, Inc.

2. A Bayesian Network Approach for Identifying Key Contributing Factors to Correction Officer Health and Wellbeing
Jin Lee, MA, Graduate Student, University of Connecticut

3. Step It Up: Workplace Walking Program that Gets Employees to Travel Miles and Melt Pounds
Elvira Garay-Topaloff, MA, Health Education Worksite Consultant, Kaiser Permanente

4. Impact of Paid Leave Benefits on Self-Reported Health Status
Shuva Dawadi, MPH, Doctoral Student, School of Public Health, University of Washington

5. Integrating Health Promotion, Injury Prevention and Fitness For Duty
Janis Davis-Street, MS, EdD, CHES, Associate Manager, Health and Productivity, Chevron Services Company

6. Supportive Supervision and Perceived Organizational Support: A Study in Two Nations
Shujaat Ahmed, MS, Graduate Student, I/O Psychology, Illinois Institute of Technology; Erin Eatough, PhD, Assistant Professor, The City University of New York, Baruch College

7. Low Back Pain Prevalence In a Working Population; Pain Ratings and Locations
Matthew S. Thiese PhD, MSPH, Assistant Professor, University of Utah

8. The Relationship between Participation in Worksite Health Promotion Programs and Weight Loss in Obese Workers
Marissa Stroo, BS, Research Analyst, Duke University Medical Center; Rebecca Brouwer, MS, Research Project Manager, Duke Global Health Institute; Truls Østbye, MD, PhD, MPH, Professor, Duke University Medical Center

9. Integrating Health Promotion and Protection in “At-Risk” Departments to Reduce Occupational Risk
Robert K. McLellan, MD, MPH, Medical Director, Live Well/Work Well Program; Dartmouth-Hitchcock

10. Rock Solid@Work: Reducing Musculoskeletal Pain and Perceived Stress, while Increasing Movement Competency and Productivity
Colleen Broersma, BS, CPFT, President, 3:1 Corporate Health and Productivity Solutions

11. Validation of a Situational Judgment Test to Assess Safety Proclivity
Kristin Repchick, MA, Graduate Research Fellow, Consortium Research Fellows Program

12. Evaluating Safety Climate to Support an Organization’s Promotion of Total Worker Health
Sara L. Tamers, PhD MPH, Health Research Scientist/Coordinator for Research Program Development and Collaboration, NIOSH/CDC

13. Cigarette Smoking Among Workers in Healthcare and Social Assistance Sector
Girija Syamlal, MBBS, MPH, Epidemiologists, NIOSH/CDC

Jasminka Goldoni Laestadius, MD, PhD, Occupational Medicine Specialist, The World Bank Group

15. Impact of Clinical Quality on Employee Choice of Providers for Worker’s Compensation-Related Medical Care
Jennifer Lipkowitz Eaton, MD MP, Occupational Health Surveillance, Analytics and Consultation in the US Department of Veterans (VA), Public Health

16. Organizational Measures of Total Worker Health Integration: Impact on Nurse Job Satisfaction and Turnover
Jennifer Lipkowitz Eaton, MD MPH, Occupational Health Surveillance, Analytics and Consultation in the US Department of Veterans (VA), Public Health
17. A Mixed-Methods Study Exploring Self-Care Practices and Worksite Wellness Participation Among Older Workers with CHD
Victoria Vaughan Dickson PhD, RN, FAHA, Assistant Professor, New York University College of Nursing

18. Combined Health Protection and Health Promotion Interventions Addressing Indoor Air Quality and Stress in Corrections
Sara Namazi, BA, Graduate Assistant, University of Connecticut Health Center

19. Study of Workers’ Health in Shipyard Cohort, a Novel Approach in Assessment of Health Outcomes
Citadel Cabasag, MS, Graduate Student Researcher, Department of Epidemiology, School of Medicine, University of California, Irvine

20. Quality of Life and Musculoskeletal Disorders in Overweight and Obese Nursing Home Employees
Winnie Chin, BS, Graduate Research Assistant, Center for The Promotion of Health in the New England Workplace (CPH-NEW); Pouran D. Faghri, MD, MS, FACSM, Professor of Health Promotion Sciences, Department of Allied Health Sciences and Professor of Community Medicine and Health Care, School of Medicine, University of Connecticut; Tania B. Huedo-Medina, PhD, Assistant Professor of Biostatistics, University of Connecticut

21. Sleep Quality, Body Weight and Health Behavior in Employees at High Stress Jobs: Is There a Connection?
Christina Mignano, BS, RD, Graduate Research Assistant, Center for The Promotion of Health in the New England Workplace (CPH-NEW); Pouran D. Faghri, MD, MS, FACSM, Professor of Health Promotion Sciences, Department of Allied Health Sciences and Professor of Community Medicine and Health Care, School of Medicine, University of Connecticut; Martin Cherniack, MD, MPH, Professor of Medicine, School of Medicine, University of Connecticut, Director of Ergonomic Technology Center, and Co-Principal Investigator & Co-Director of Center for the Promotion of Health in the New England Workplace (CPH-NEW)

22. Underreporting of Stress and Negative Feelings Among Correctional Employees
Christina Mignano, BS, RD, Graduate Research Assistant, Center for The Promotion of Health in the New England Workplace (CPH-NEW); Pouran D. Faghri, MD, MS, FACSM, Professor of Health Promotion Sciences, Department of Allied Health Sciences and Professor of Community Medicine and Health Care, School of Medicine, University of Connecticut; Martin Cherniack, MD, MPH, Professor of Medicine, School of Medicine, University of Connecticut, Director of Ergonomic Technology Center, and Co-Principal Investigator & Co-Director of Center for the Promotion of Health in the New England Workplace (CPH-NEW)

23. Safety Perceptions and Behaviors of Managers and Latino Workers
Jennifer E. Swanberg, PhD, MMHS, Professor, University of Maryland, Baltimore, School of Social Work

24. Creating a Safe and Healthy Work Environment Through Workplace Nutritional Policy and Interventions
Robert K. McLellan, MD, MPH, Medical Director, Live Well/Work Well Program, Dartmouth-Hitchcock

25. Improving Safety Awareness and Teambuilding through a Safety Recognition and Communication Program
Emily H. Sparer, MS, Doctoral Student, Harvard School of Public Health

Sharon Glazer, PhD, Professor and Chair, Division of Applied Behavioral Sciences, University of Baltimore

27. Total Worker Health™ from a Former Worker Health Perspective
Bill Stange, PhD, Manager, Health Effects, Oak Ridge Associated Universities

28. Impact of Safe Resident Handling Programs in Nursing Homes on Outcomes After Work Injury
Alicia Kurowski, ScD, Post-Doctoral Research Fellow, Center for the Promotion of Health in the New England Workplace (CPH-NEW), University of Massachusetts Lowell, Department of Work Environment

29. The Impact of an Enterprise Wide Electronic Health Record System for Occupational Health and Industrial Hygiene Practices at NASA Facilities
Azhar Rafiq, Office of the Chief Health and Medical Officer, NASA Headquarters; Catherine M. Angotti, BS, RD, Senior Advisor on Occupational Health, Office of the Chief Health and Medical Officer, NASA Headquarters

30. Organizational Health Climate: Relative Contributions of Workgroups, Supervisors and the Organization to Worker Well-being
Zandra Zweber, MA, Doctoral Candidate, University of Connecticut
31. Uniting workers to use Monday to Stress Less
   Morgan Johnson, MPH, Director of Programs & Research, The Monday Campaigns
32. Work Analysis and the Resolution of Organizational Conflict: Theoretical Method, Measurement and Application
   James Hunter, MS, MSW, BA, EAP Director, University of Missouri System
33. Creating a Culture of Safety in the Unionized Sheet Metal Industry
   Randall A. Krocka, Administrator, SMOHIT; Charles Austin, Industrial Hygienist, SMOHIT
34. Problem Solving and Stress in Older University Faculty and Staff
   Richard W. Thoreson, PhD, Professor Emeritus of Education, University of Missouri
35. Emotional Displays and Employee Well-Being: The Moderation of Trait Emotion Regulation
   Steven Jex, PhD, Professor of Psychology, Bowling Green State University
36. Organizational Features Related to Quality of Worker and Resident Experience in Nursing Homes
   Ernest Boakye-Dankwa, MSc, College of Health Sciences, Department of Work Environment, Occupational Epidemiology, University of Massachusetts Lowell
37. IBM Injury and Violence Free Living Program - Road Safety
   Maureen M. Johnson, CSP, Program Manager, IBM Integrated Health Services
38. The Association Between Social Environment and Overweight Status and Obesity Among Healthcare Employees
   Kathryn Keogh, PhD, MSN, RN, Nursing Director, Haywood County Health and Human Services Agency
39. “Date Night” for Farmers Positively Impacts their Work Behavior
   Deborah B Reed, PhD, RN, FAAOHN, Professor, Good Samaritan Endowed Chair in Community Health, University of Kentucky College of Nursing
40. Community-based Employer and Sunshine ERC Partnership: Integrating TWH and Experiential Interdisciplinary Training for OH&S Trainees
   Candace M. Burns, PhD, ANP, ARNP, Director, Occupational Health Nursing Program, Deputy Director, Sunshine Education and Research Center, University of South Florida – College of Nursing
41. Shared Knowledge and Communication of Risk Controls to Improve Total Worker Health Outcomes at an Industry Scale
   Philipp Kirsch, Associate Professor and Projects Manager, Minerals Industry Safety and Health Centre, University of Queensland
<table>
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<tr>
<th>Session 1</th>
<th>9:30 - 10:45</th>
<th>Session 2</th>
<th>11:00 - 12:15</th>
<th>Session 3</th>
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<tr>
<td><strong>SESSION 1.1</strong>&lt;br&gt;AUDITORIUM&lt;br&gt;A Framework for Developing and Implementing Total Worker Health™ Interventions Across Industries</td>
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<td><strong>SESSION 1.2</strong>&lt;br&gt;BALCONY A&lt;br&gt;Total Worker Health™ Surveillance in the US Workforce</td>
<td><strong>SESSION 2.2</strong>&lt;br&gt;BALCONY A&lt;br&gt;Total Trucker Health: the Drive to Improve</td>
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<td><strong>SESSION 2.4</strong>&lt;br&gt;BALCONY C&lt;br&gt;Tobacco Cessation and Small Manufacturing Businesses</td>
<td><strong>SESSION 3.4</strong>&lt;br&gt;BALCONY C&lt;br&gt;Organizational Factors for Total Worker Health™ in Small Businesses</td>
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<td>The CPH-NEW Research to Practice Toolkit for Total Worker Health™</td>
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<td>AUDITORIUM</td>
<td>Teaming Up For Total Worker Health™</td>
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<td>Total Worker Health™ Intervention in an Acute Care Hospital Setting: Be Well Work Well</td>
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<td>Musculoskeletal Diseases: Integrated Approaches for Prevention and Management</td>
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<td>Economic Issues in Total Worker Health™</td>
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<td>Dashboards and Metrics for Total Worker Health™</td>
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Session 1.1: (Symposium) - A Framework for Developing and Implementing Total Worker Health\textsuperscript{TM} Interventions Across Industries
Chair: Glorian Sorensen, PhD, MPH, Director, Center for Community-Based Research, Harvard School of Public Health

- A Framework for Developing and Implementing Total Worker Health\textsuperscript{TM} Interventions across Industries
  Glorian Sorensen, PhD, MPH, Director, Center for Community-Based Research, Harvard School of Public Health; Eve Nagler, ScD, MPH, CHES, Research Scientist, Dana-Farber Cancer Institute; Jack T. Dennerlein, PhD, Professor, Bouve College of Health Sciences, Northeastern University; Deborah McLellan, PhD, MHS, Research Scientist, Dana-Farber Cancer Institute

- Design and Implementation of a TWH Intervention Targeting Work Organization in Hospital Patient Care Units
  Eve Nagler, ScD, MPH, CHES, Research Scientist, Dana-Farber Cancer Institute

- A Framework for Developing and Implementing Total Worker Health\textsuperscript{TM} Interventions in Construction
  Jack T. Dennerlein, PhD, Professor, Bouve College of Health Sciences, Northeastern University

- Developing and Implementing Total Worker Health\textsuperscript{TM} Approaches in Small- to Medium-Sized Businesses
  Deborah McLellan, PhD, MHS, Research Scientist, Dana-Farber Cancer Institute

Session 1.2: (Symposium) - Total Worker Health\textsuperscript{TM} Surveillance in the US Workforce
Chair: Sara E. Luckhaupt, MD, MPH, Medical Officer, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Total Worker Health\textsuperscript{TM} Surveillance in the US Workforce
  David J. Lee, PhD, Professor, University of Miami; Sara E. Luckhaupt, MD MPH, Medical Officer, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Alberto J. Caban-Martinez, DO, PhD, MPH, CPH, Associate Professor, Division of Environment and Public Health, Department of Health Sciences, University of Miami, Miller School of Medicine

- Work/Workplace Factors associated with Obesity, Hypertension, Cancer
  Sara E. Luckhaupt, MD, MPH, Medical Officer, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Linkage of O’Net with the National Health Interview Survey for Characterization of Worker Psychosocial Benefits and Risks
  Manuel Cifuentes, MD, ScD, Associate Professor, University of Massachusetts Lowell

- Multi-Survey Linkage for the Calculation of Occupation-Specific Quality-Adjusted Life Years (QALYs) in the US Workforce
  Alberto J. Caban-Martinez, DO, PhD, MPH, CPH, Associate Professor, Division of Environment and Public Health, Department of Health Sciences, University of Miami, Miller School of Medicine

- Impacts of Early Exposure to Work on Smoking Initiation among Adolescents and Younger Adults: The ADD Health Survey
  David J. Lee, PhD, Professor, University of Miami
Session 1.3 (Paper Session) - Conceptualizing Well-Being: Definitions, Models and Future Directions  
Chair: Cristina G. Banks, BA, PhD, Director, Interdisciplinary Center for Health Workplaces, Haas School of Business

- Taking an Interdisciplinary View of Employee Health Protection and Promotion: A New Source of Traction  
  Christina G. Banks, BA, PhD, Director, Interdisciplinary Center for Health Workplaces, Haas School of Business;  
  Sylvia Guendelman, PhD, MSW, Professor, Maternal & Child Health, Division of Community Health and Human Development, School of Public Health, University of California; David Lindeman, PhD, Director, CITRIS Health Care, University of California; Stefano Schiavon, MSc, PhD, Assistant Professor of Architecture, University of California
- Issues in Incorporating the Concept of Well-Being in Risk Assessments, Regulations, and Guidance  
  Paul A Schulte, PhD, Director, Education and Information Division, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

Session 1.4: (Paper Session) - Evaluation, Effectiveness and Tools for Total Worker Health™  
Chair: Nico Pronk, PHD, MA, Vice President and Chief Science Officer, HealthPartners

- Practical Tools for Assessing and Reporting Total Worker Health™ in Small- to Medium-Sized Businesses  
  Nico Pronk, PHD, MA, Vice President and Chief Science Officer, HealthPartners
- A study on Total Workplace Safety and Health (TWSH) Services in Singapore - Tools and Outcomes  
  Sin Eng Chia, MD, Vice Dean, National University of Singapore

Session 1.5: (Paper Session) - Health Protection and Health Promotion in Select Occupations  
Chair: Chia-Chia Chang, MPH, MBA, Public Health Analyst, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Fit For Work: A Comprehensive Approach to Wellness at Goldcorp’s Wharf Mine  
  Colleen Broersma, BS, CPFT, President, 3:1 Corporate Health and Productivity Solutions; Ron Everett, BS, Administrative Manager at Wharf Resources, Goldcorp, Inc.; Kenan Sarratt, Exploration Supervisor, GoldCorp Wharf Mine
- Relative Concern for Work Safety and Personal Health Risks among Union Carpenters  
  Bradley Evanoff, MD, MPH, Professor of Occupational and Environmental Medicine, Washington University School of Medicine

Session 1.6: (Paper Session) - Participatory Approaches to Total Worker Health™  
Chair: James A. Merchant, MD, DrPH, Founding Dean, Professor and Director of the HWCE, College of Public Health, University of Iowa

- Engaging Senior Leaders: Strategic Approaches for Gaining (and Sustaining) Support for Workplace Health Initiatives  
  Judith A. Analco, MS, Senior Consultant, ERM
- The CDC Worksite Health ScoreCard OHS Module: Findings from the National Healthy Worksite Program  
  Gretchen A. Petery, BS, Doctoral Student, University of Connecticut
- A Worksite Wellness Coaching Component of a Total Worker Health™ Intervention in a Manufacturing Setting  
  Cassidy Branch, MA, ATC, LAT, Research Associate, University of Iowa; Nathan B. Fethke, PhD, CPE, Assistant Professor, University of Iowa College of Public Health
Session 2.1: (Symposium) - Integrated Approaches for Mobile and Contingent Work Forces, Using Construction as an Exemplar

Chair: Jack T. Dennerlein, PhD, Professor, Bouve College of Health Sciences, Northeastern University

- Integrated Approaches for Mobile and Contingent Work Forces, Using Construction as an Exemplar
  Jack T. Dennerlein, PhD, Professor, Bouve College of Health Sciences, Northeastern University; Emily Sparer, MS, Doctoral Student, Harvard School of Public Health; Lauren A. Murphy, PhD, Postdoctoral Research Fellow, Harvard School of Public Health; Cassandra Okechukwu, ScD, MSN, Assistant Professor, Harvard School of Public Health; Justin Manjourides, PhD, Assistant Professor, Northeastern University

- Safety Climate and the Organizational Complexity of Commercial Construction Worksites
  Lauren A. Murphy, PhD, Postdoctoral Research Fellow, Harvard School of Public Health

- Patterns of Site-Employment of Commercial Construction Workers and the Relationship with Musculoskeletal Pain
  Emily Sparer, MS, Doctoral Student, Harvard School of Public Health

- Simulating the Effects of Interventions on a Mobile Work Force
  Justin Manjourides, PhD, Assistant Professor, Northeastern University

- Using Creative and Strategic Partnership for TWHTM Interventions in Complex Organizational Structures
  Cassandra Okechukwu, ScD, MSN, Assistant Professor, Harvard School of Public Health

Session 2.2: (Symposium) - Total Trucker Health: the Drive to Improve

Chair: Matthew S. Thiese, PhD, MSPH, Assistant Professor, University of Utah

- Total Trucker Health: the Drive to Improve
  Matthew S. Thiese, PhD, MSPH, Assistant Professor, University of Utah

- Employer-Mandated Obstructive Sleep Apnea Treatment is Associated with Decreased Risk and Cost of Preventable Heavy Truck Crashes among Commercial Drivers
  Stephen V. Burks, PhD, Professor of Economics and Management, University of Minnesota, Morris

- Development of a Commercial Motor Vehicle Driver Fatigue Management Program
  Matthew C. Camden, MA, Research Associate, Virginia Tech Transportation Institute

- Worksite Health, Eating and Exercising for the Long Haul (WHEEL): Results from a pilot study
  Maureen Murtaugh, PhD, RDN, Associate Professor, University of Utah

- The SHIFT Intervention for Truck Drivers Produces Significant Weight Loss in a Randomized Trial
  Ryan Olson, PhD, Scientist, Oregon Health & Science University

Session 2.3: (Symposium) - Psychosocial Working Conditions and Obesity Research in Firefighters

Chair: BongKyoo Choi, ScD, MPH, Assistant Professor, University of California at Irvine

- Psychosocial Working Conditions and Obesity Research in Firefighters
  BongKyoo Choi, ScD, MPH, Assistant Professor, University of California at Irvine; Peter L. Schnall, MD, MPH, Clinical Professor, University of California at Irvine; Marnie Dobson, PhD, Adjunct Assistant Professor, University of California at Irvine

- The Role of Work in the Etiology of Obesity
  Peter L Schnall, MD, MPH, Clinical Professor, University of California at Irvine

- Interaction Effects between Work Stress and Overeating Behaviors on Obesity in Firefighters
  BongKyoo Choi, ScD, MPH, Assistant Professor, University of California at Irvine
• Total Worker Health™ and Firefighter Obesity: A Participatory, Mixed-method Research Approach
  Marnie Dobson, PhD, Adjunct Assistant Professor, University of California at Irvine

• Two Pilot Obesity Intervention Studies among Firefighters after the FORWARD Study
  BongKyoo Choi, ScD, MPH, Assistant Professor, University of California at Irvine

Session 2.4: (Paper Session) - Tobacco Cessation and Small Manufacturing Businesses
Chair: Lisa M. Brosseau, ScD, CIH, Professor, University of Illinois at Chicago

• Characteristics of Small, Manufacturing Companies by Occupation: Informing Integrated Health Protection and Promotion Interventions
  Deborah Hennrikus, PhD, Associate Professor, University of Minnesota; Lisa M. Brosseau, ScD, CIH, Professor, University of Illinois at Chicago

• Creating a Representative Sample of Small Manufacturing Businesses for an Integrated Employee Health Intervention Study
  Lisa M. Brosseau, ScD, CIH, Professor, University of Illinois at Chicago

• The Relationship between Job Type and Smoking-Related Characteristics of Workers in Small Manufacturing Companies
  Deborah Hennrikus, PhD, Associate Professor, University of Minnesota

Session 2.5: (Paper Session) - Total Worker Health™ for Special Populations: A Focus on Older Workers
Chair: Constance Franklin, MPH, Public Health Analyst, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• Occupational Stress during Working Life and Cognitive Function in Retirement: TWHTM Approaches to Understanding Disparities
  Erika L. Sabbath, ScD, Assistant Professor, Boston College

• Total Worker Health™ Programs for an Aging Workforce: Results from the Health and Retirement Study
  James W. Grosch, MBA, PhD, Senior Research Psychologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Gwenith G. Fisher, PhD, Assistant Professor, Colorado State University; Angela Martin, MS, Graduate Student, Colorado State University; Robert B. Wallace, MS, MD, Professor and Irene Ensminger Stecher Professor of Epidemiology and Internal Medicine, University of Iowa

• Applying Psychological Lifespan Development Theory and Research to Interventions Targeting Older Workers
  Donald M. Truxillo, PhD, Professor, Department of Psychology, Portland State University

Session 2.6: (Paper Session) - Principles for Enhancing Engagement
Chair: Donjanea Williams, EdD, LPC, Program Evaluation Fellow, Office of Extramural Programs, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• A Culture of Core Values as a Path to Safety, Health, and Well-being
  Robin Nicholas, MS, Director, Health and Safety Communication

• An Analysis of Online Engagement Levels for Advancing Total Worker Health™ Outreach and Communication Efforts
  Jennifer L. Hall, EdD, MCHES, Associate Director of Outreach, University of Iowa Healthier Workforce Center for Excellence

• Marketing Monday for Worker Wellness Through the Week and Beyond
  Morgan Johnson, MPH, Director of Programs & Research, The Monday Campaigns; Emily Oppenheimer, MS, Program Assistant, The Monday Campaigns
Session 3.1: (Symposium) - Positive Stress and the Future of Total Work Health™: An Emerging Paradigm

Chair: L. Casey Chosewood, MD, MPH, Director, Office for Total Worker Health™, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Positive Stress and the Future of Total Work Health™: An Emerging Paradigm
  James Campbell Quick, PhD, Professor of Leadership & Organizational Behavior/John and Judy Goolsby - Jacqualyn A. Fouse Endowed Chair, The University of Texas at Arlington, USA and Lancaster University Management School, UK; Thomas W. Britt, PhD, Professor of Psychology, Clemson University; M. Blake Hargrove, PhD, Associate Professor of Organizational Behavior, John L. Grove School of Business, Shippensburg University; Joel B. Bennett, PhD, President, Organizational Wellness & Learning Systems

- Thriving Under Stressful Working Conditions
  Thomas W. Britt, PhD, Professor of Psychology, Clemson University; Steve M. Jex, PhD, Professor of Psychology, Bowling Green State University

- Cognitive, Affective, and Physiological Measures of the Positive Stress Response
  M. Blake Hargrove, PhD, Associate Professor of Organizational Behavior, John L. Grove School of Business, Shippensburg University

- The Stress Potentiation Model: An Applied Interdisciplinary Perspective
  Joel B. Bennett, PhD, President; Organizational Wellness & Learning Systems

Session 3.2: (Symposium) - Health and Wellness Challenges and Interventions for Transportation Workers

Chair: Jennifer E. Lincoln, MSSM, Health Scientist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Health and Wellness Challenges and Interventions for Transportation Workers
  Jennifer E. Lincoln, MSSM, Health Scientist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Gerald P. Krueger, MA, PhD, Human Performance Scientist, Krueger Ergonomics Consultants

- Healthy Living Options at 17 U.S. Truck Stops
  Jennifer E. Lincoln, MSSM, Health Scientist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); William Karl Sieber, PhD, MS, Research Health Scientist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Research to Practice: Fatigue Prevention Training for Commercial Pilots in Alaska
  Mary B. O’Connor, MS, Aviation Safety Program Manager, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Transportation Operator Fatigue: Health and safety concerns in trucking, motorcoach, rail, local transit, aviation, and inland-waterway operations
  Gerald P. Krueger, MA, PhD, Human Performance Scientist, Krueger Ergonomics Consultants

- A New Tool for Integrated Health Protection and Promotion in the Public Transit Workplace
  Robin Mary Gillespie, PhD, MPH, Adjunct Program Director, Health and Safety, Transportation Learning Center

Session 3.3: (Paper Session) - Integrated Programs in Healthcare

Chair: Marilyn Lou Ridenour, BSN, MBA, MPH, Nurse Epidemiologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)
• Home Healthcare Aides Experience with Health Protection and Health Promotion
  *Marilyn Lou Ridenour, BSN, MBA, MPH, Nurse Epidemiologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*

• ANA’s Health Risk Appraisal: Improved Health, Safety, and Wellness for Nurses
  *Holly Carpenter, BSN, RN, Senior Staff Specialist, American Nurses Association*

• Integrated Health Protection and Health Promotion Programs for EMS Workers
  *Ann Marie Dale, PhD, OTR/L, CEA, Research Assistant Professor, Washington University School of Medicine*

**Session 3.4: (Paper Session) - Organizational Factors for Total Worker Health™ in Small Businesses**
  **Chair: LCDR Heidi Hudson, MPH, Coordinator, Office for Total Worker Health Coordination and Research, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)**

• TWH in Small Business: Preliminary Results from Two Community-based Models
  *Brenda L. Jacklitsch, MS, Health Scientist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*

• Organizational Factors Related to Implementation of Safety and Wellness Activities in Smaller Organizations
  *Deborah McLellan, PhD, MHS, Research Scientist, Dana-Farber Cancer Institute*

• Promoting Adoption of Total Worker Health™: Lessons Learned from Small Businesses
  *Diane S. Rohlman, PhD, Associate Professor of Occupational and Environmental Health, The University of Iowa; Michelle “Shelly” Campo, PhD, Associate Professor of Community and Behavioral Health and Communication Studies, The University of Iowa; Jennifer L. Hall, EdD, MCHES, Associate Director of Outreach, University of Iowa Healthier Workforce Center for Excellence; Kevin M. Kelly, PhD, Center Coordinator and Co-Director Evaluation and Statistics, University of Iowa Healthier Workforce Center for Excellence; Erin L. Robinson, MSW, MPH, PhD Student, The University of Iowa*

• Health Links™ Colorado: Training Workplace Wellness Advisors to Create Healthy Communities
  *Michelle Haan, MPH, Senior Professional Research Assistant, Center for Worker Health and Environment, University of Colorado School of Public Health; Liliana Tenney, MPH, Deputy Director, Center for Worker Health and Environment, University of Colorado School of Public Health*

**Session 3.5: Town Hall Forum: Share Your Input to the National Agenda for Total Worker Health™**
  **Sara L. Tamers, PhD, MPH, Health Research Scientist / Coordinator for Research Program Development and Collaboration, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)**

**Session 3.6: (Paper Session) - Federal Programs for Advancing Health Protection and Health Promotion**
  **Chair: Paul Schulte, PhD, Director EID, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)**

• Design and Implementation of a Total Worker Health™ Pilot Program in the Veterans Health Administration
  *Tamara Schult, PhD, MPH, Health Research Scientist / Coordinator for Research Program Development and Collaboration, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Ebi R. Awosika, MD, MPH, Director, Employee Health Promotion / Disease and Impairment Prevention, Veterans Health Administration (VHA); Kathleen M. McPhaul, PhD, MPH, RN, COHN-S, Chief Consultant, Veterans Health Administration (VHA)*

• Quantifying Behavior Change and Demonstrating Value of Wellness Programs within the Federal Government
  *LCDR Janae Price, MPH, Associate Director for Performance Improvement and Quality, Federal Occupational Health (FOH); Kristen Felicione, MPH, Public Health Analyst, Federal Occupational Health (FOH)*

• Utilization of a Peer Leader-Mediated Intervention to Improve Health and Safety in the Workplace
  *Sandra Schmunk, MA, MS, Program Manager, Veterans Health Administration (VHA); Tamara Schult, PhD, MPH, Data Analyst (Research and Operations Support), Veterans Health Administration (VHA)*
**Session 4.1: (Symposium) - The CPH-NEW Research to Practice Toolkit for Total Worker Health™**

*Chair: Laura Punnett ScD, Co-Director, University of Massachusetts Lowell*

- **The CPH-NEW Research to Practice Toolkit for Total Worker Health™**
  Laura Punnett, ScD, CPH-NEW Center Co-Director, University of Massachusetts Lowell; Suzanne Nobrega, MS, Project Director, University of Massachusetts Lowell; Alicia Dugan, PhD, Assistant Professor, Dept. of Medicine, University of Connecticut Health Center; Mazen El Ghaziri, PhD, MPH, BSN, RN, Postdoctoral Fellow, University of Connecticut Health Center

- **Field Tests of a Program Toolkit for Participatory Integrated Health Protection and Health Promotion**
  Suzanne Nobrega, MS, Project Director, University of Massachusetts Lowell

- **Measuring Implementation Predictors of a New Healthy Worksite Participatory Program**
  Alicia Dugan, PhD, Assistant Professor, Dept. of Medicine, University of Connecticut Health Center

- **A Tale of Two Intervention Approaches: Towards Total Worker Health™ within a Correctional Workforce**
  Mazen El Ghaziri, PhD, MPH, BSN, RN, Postdoctoral Fellow, University of Connecticut Health Center

**Session 4.2: (Paper Session) - Interventions in Healthcare Settings for Total Worker Health™**

*Chair: Steve Sauter, BA, MA, PhD, Consultant to the NIOSH Total Worker Health Program*

- **Taking an Evidence-Based Total Worker Health™ Program Online**
  Diane Elliot, MD, Professor of Medicine, Oregon Health & Science University

- **Meal Breaks and Mental Health: A Total Worker Health™ Approach among Hospital Nurses**
  David A. Hurtado, ScD, Yerby Postdoctoral Research Fellow, Harvard School of Public Health

- **Developing and Integrating Provider Impairment Prevention and Health Promotion Programming in the Veterans Health Administration**
  Leonard J. Haas, PhD, Impaired Provider Prevention Program Coordinator, Veterans Health Administration (VHA); Sandra Schmunk, MA, MS, Program Manager, Veterans Health Administration (VHA); Tamara Schult, PhD, MPH, Data Analyst (Research and Operations Support), Veterans Health Administration (VHA); Ebi R. Awosika, MD, MPH, Director, Employee Health Promotion / Disease and Impairment Prevention, Veterans Health Administration (VHA)

**Session 4.3: (Symposium) - Hidden Benefits of Integrated and Holistic Worker Safety and Health Approaches**

*Chair: Rene Pana-Cryan, PhD, Senior Scientist and Coordinator for the NIOSH Economics Program, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*

- **Hidden Benefits of Integrated and Holistic Worker Safety and Health Approaches**
  Rene Pana-Cryan, PhD, Senior Scientist and Coordinator for the NIOSH Economics Program, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Anasua Bhattacharya, PhD, Senior Associate Fellow, Economist, Risk Evaluation Branch, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Abay Asfaw, PhD, Senior Research Fellow, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Steven Sauter, BA, MA, PhD, Consultant to the NIOSH Total Worker Health Program; Tim Bushnell, PhD, MPA, Economist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- **Obesity, Depression and Workers’ Compensation Costs**
  Anasua Bhattacharya, PhD, Senior Associate Fellow, Economist, Risk Evaluation Branch, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- **Changes in Family Member Health Care Claims following Workplace Injury: Psychological and Musculoskeletal**
Diagnoses
Rene Pana-Cryan, PhD, Senior Scientist and Coordinator for the NIOSH Economics Program, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)
• Longest-Held Occupation and Health Problems that Limit Paid Work: Evidence from the Health and Retirement Study
Abay Asfaw, PhD, Senior Research Fellow, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

Session 4.4: (Paper Session) - Musculoskeletal Diseases: Integrated Approaches for Prevention and Management
Chair: Dave LeGrande, RN, MS, Director, Occupational Safety and Health, Communications Workers of America
• The Role of Ergonomics in Total Worker Health™
Alison Heller-Ono, PT, CDA, CPDM, CIE, CPE, President/CEO, Worksite International, Inc.
• Musculoskeletal Pain in Hispanic Construction Workers with Arthritis: Evidence from the Protecting Every Construction worker’s Knee (PECK) Pilot Study
Alberto J. Caban-Martinez, DO, PhD, MPH, CPH, Associate Professor, Division of Environment and Public Health, Department of Health Sciences, University of Miami, Miller School of Medicine
• Digital Human Modeling of Non-Occupational Risk Factors for Manufacturing Work Task Design
Nathan B. Fethke, PhD, CPE, Assistant Professor, University of Iowa College of Public Health; Mark Schall, MS, Graduate Research Assistant, The University of Iowa

Session 4.5: (Paper Session) - Special Populations- Younger Workers and Total Worker Health™
Chair: Michelle Lee, BA, Public Health Associate, Total Worker Health Program, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)
• Occupational and non-occupational factors associated with work-related injuries among young construction workers in the U.S
Xiuwen Sue Dong, DrPH, Data Center Director, CPWR - The Center for Construction Research and Training; Julie A. Largay, MPH, Research Analyst, CPWR - The Center for Construction Research and Training; Xuanwen Wang, PhD, Research Associate, CPWR - The Center for Construction Research and Training
• Developing a Methodology for Identifying and Prioritizing Factors in Young Worker Injuries: A Pilot Study
Megan Parish, MPH, Research Associate, Oregon Health & Science University; Diane S. Rohlman, PhD, Associate Professor of Occupational and Environmental Health, The University of Iowa; Diane Elliot, MD, Professor of Medicine, Oregon Health & Science University; Michael R. Lasarev, MS, Research Associate, Oregon Health & Science University / Oregon Institute of Occupational Health Sciences
• Technology Meets Total Worker Health™: Evaluating an Online Training for Young Workers
Diane S. Rohlman, PhD, Associate Professor of Occupational and Environmental Health, The University of Iowa; Megan Parish, MPH, Research Associate, Oregon Health & Science University; Diane Elliot, MD, Professor of Medicine, Oregon Health & Science University; Laura Jeddeloh, BA, Research Assistant, Oregon Health & Science University

Session 4.6: (Paper Session) - Total Worker Health™ and Community Integration and Collaboration Across Industries
Chair: Jessica Streit, MS, Research Psychologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)
• Community Wide Total Worker Health™ Program
Victoria A. Cassano, MD, MPHil, MPH, FACPM, Medical Director, Occupational and Environmental Medicine, Berkshire Medical Center
• Facilitating Integrated Approaches to Worker Health and Safety through Action-Learning Industry Collaboratives - WorkHealth
Professor Niki Ellis, Chair, Leading Thinkers Network, Victorian WorkCover Authority
**Concurrent Session 5**

**Tuesday, October 7, 2014 | 3:30 PM - 4:45 PM**

**Session 5.1: (Symposium) - Teaming Up For Total Worker Health™**  
*Chair: Diane Elliot, MD, Professor of Medicine, Oregon Health & Science University*

- A Conceptual Framework for Teams and Total Worker Health™  
  *Diane Elliot, MD, Professor of Medicine, Oregon Health & Science University*

- SHIELD (Safety & Health Improvement: Enhancing Law Enforcement Departments): Teams & a New Total Worker Health™ Model For Police Officers  
  *Kerry S. Kuehl, MD, DrPH, Professor of Medicine, Oregon Health and Science University*

- SHIP: A Team-based Work-life and Safety Support Intervention for Construction Workers  
  *Leslie B. Hammer, PhD, Professor of Psychology, Portland State University*

- COMPASS Teams: Creating Health & Safety “Communities of Practice” for Home Care Workers  
  *Ryan Olson, PhD, Scientist, Oregon Health & Science University*

**Session 5.2: (Symposium) - Live Employer Case Studies: The Challenges and Opportunities of Small to Mid-Sized Employers Implementing Health Protection and Health Promotion Strategies**  
*Chair: Bill Lacy, President/CEO, Association for Corporate Health Risk Management*

- The Challenges and Opportunities of Small to Mid-Sized Employers Implementing Health Protection and Health Promotion Strategies  
  *Bill Lacy, President/CEO, Association for Corporate Health Risk Management*

- Case Study 1  
  *Roy Fazio, BS, Partner/Executive Vice President, The Protocall Group*

- Case Study 2  
  *Felicia Smith, BS, JD, Director, Chief Human Resources Officer, John Templeton Foundation*

- Case Study 3  

**Session 5.3: (Symposium) - Assessing the Cost-effectiveness of Integrated Approaches to Worker Safety and Health: Tools and Case Studies**  
*Chair: Rene Pana-Cryan, PhD, Senior Scientist and Coordinator for the NIOSH Economics Program, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*

- Assessing the Cost-effectiveness of Integrated Approaches to Worker Safety and Health: Tools and Case Studies  
  *Rene Pana-Cryan, PhD, Senior Scientist and Coordinator for the NIOSH Economics Program, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Alysha R. Meyers, PhD, MS, AEP, Epidemiologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Abay Asfaw, PhD, Senior Research Fellow, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Tapas K. Ray, PhD, Economist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC); Tim Bushnell, PhD, MPA, Economist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*

- Measuring Wellness Program Costs and Integration of Traditional Health Protection with Wellness Programs in Ohio  
  *Alysha R. Meyers, PhD, MS, AEP, Epidemiologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)*
• Assessing the Cost of Implementing A Wellness-Fitness Program for Firefighters
  Abay Asfaw, PhD, Senior Research Fellow, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• Impact of Workplace Wellness Programs on Post-Retirement Health Care Utilization
  Tapas K. Ray, PhD, Economist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

Session 5.4: (Paper Session) - Integrated Research on Organizational Structure and Well-Being
Chair: Jeannie A.S. Nigam, MS, Research Psychologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• The Influence of Workplace Interactions on Perception of Well-Being and Health Behaviors

• Stress: Prevalence, Predictors, Association with Medical Conditions and Impact on Productivity
  Mary L. Marzek, PhD, Senior Research Analyst, University of Michigan

• Occupational Stress, Organizational Policies, and Health Behaviors in Administrative Workers
  Jeannie A. S. Nigam, MS, Research Psychologist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• An EAP Stress Analysis Questionnaire: The Role of Primary Prevention in Organizational, Work Group and Individual Wellbeing
  James Hunter, MS, MSW, BA, EAP Director, University of Missouri System

Session 5.5: (Paper Session) - Organizational Health Climate: Employee Physical and Mental Health
Chair: Chia-Chia Chang, MPH, MBA, Public Health Analyst, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• Evaluating Stress Resilience: A Worksite Intervention to Reduce Stress and CVD Risk Factors in Police
  Sandra Ramey, RN, PhD, Academic Faculty, University of Iowa

• Schedule Control among Workers: Preventing Fatigue, Work Stress and Work-Family Conflict?
  Lonnie Golden, PhD, Professor of Economic and Labor Studies, Penn State Abington

• Evidence for the Importance of Organizational Health Climate in Employee Physical and Mental Health
  Zandra M. Zweber, MA, Doctoral Candidate, University of Connecticut

Session 5.6: (Paper Session) - Dashboards and Metrics for Total Worker Health™
Chair: Jim Newhall, PhD, Health Scientist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

• Health and Work Productivity Portal: Facilitating Curriculum Development and Renewal Across Stakeholders
  Marc White, PhD, Co-Founder and Executive Director / Clinical Assistant Professor, Canadian Institute for the Relief of Pain and Disability / Dept of Family Practice, University of British Columbia

• The Validation of a New Metric for Assessing Approaches Integrating Health Protection and Health Promotion
  Jessica Williams, PhD, MA, Robert Wood Johnson Health and Society Scholar, Harvard Center for Population and Development Studies
Concurrent Session 6
TUESDAY, OCTOBER 7, 2014 | 5:00 PM - 6:15 PM

Session 6.1: Town Hall Forum to Share Your Input to the National Agenda for Total Worker Health™
Sara L. Tamers, PhD, MPH, Health Research Scientist/Coordinator for Research Program Development and Collaboration, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

Session 6.2: (Paper Session) - Exploring Total Worker Health™ Approaches in the Construction Industry
Chair: Adele Childress, PhD, MSPH, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Development and Validation of an Ergonomic Survey Instrument for Construction Workers
  Alberto J. Caban-Martinez, DO, PhD, MPH, CPH, Associate Professor, Division of Environment and Public Health, Department of Health Sciences, University of Miami, Miller School of Medicine
- Working with Multisite Pain: Preliminary Findings from the (MUSCLE) Musculoskeletal Study of Construction workers’ Longitudinal Exposures
  Alberto J. Caban-Martinez, DO, PhD, MPH, CPH, Associate Professor, Division of Environment and Public Health, Department of Health Sciences, University of Miami, Miller School of Medicine; Kristopher L. Arheart, EdD, Associate Professor, University of Miami, Miller School of Medicine; Paige Williams, PhD, Professor, Harvard School of Public Health
- Safety, Health, and Healthcare Benefits: Another Perspective for Construction Contractors
  Scott P. Schneider, MS, CIH, Director of Occupational Safety and Health, Laborers’ Health & Safety Fund of North America; Jamie F. Becker, LCSW-C, Associate Director of Health Promotion, Laborers’ Health & Safety Fund of North America
- Construction Workers’ Attitudes Toward Smoking
  Jaime Strickland, MA, Clinical Research Supervisor, Washington University School of Medicine

Session 6.3: (Symposium Session) - Total Worker Health™ Intervention in an Acute Care Hospital Setting: Be Well Work Well
Chair: Eve Nagler, ScD, MPH, CHES, Research Scientist, Dana-Farber Cancer Institute

- Development of a TWHTM Intervention for Patient Care Staff
  Eve Nagler, ScD, MPH, CHES, Research Scientist, Dana-Farber Cancer Institute
- Developing A Tool to Address Modifiable Factors in the Physical Work Environment of Patient Care Units
  Michael Grant, MS, Doctoral Student, Harvard School of Public Health
- Charachterizing the Work Environment Based on TWHTM Principals
  David A. Hurtado, ScD, Yerby Postdoctoral Research Fellow, Harvard School of Public Health
- Lessons Learned in an Acute Care Hospital To Inform Future TWHTM Interventions
  Lorraine Wallace, MPH, Associate Director, Center for Community-Based Research Dana-Farber Cancer Institute
Session 6.4: (Paper Session) - Economic Issues in Total Worker Health™
Chair: Tapas K. Ray, PhD, Economist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Measuring Economic Effectiveness of Total Worker Health™ Programs: Importance of HRQL
  Tapas K. Ray, PhD, Economist, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)
- Lessons Learned - Ohio Bureau of Workers’ Compensation Workplace Wellness Grant Program
  Carol Morrison, Manager, Ohio Bureau of Workers’ Compensation

Session 6.5: (Paper Session) - Factors Influencing Employees Health: Access, Insurance and Human Resources
Chair: Tamekia Evans, MPH, Program Analyst, National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC)

- Maximizing Well-being in Healthcare Environments
  Jennifer C. Steinmetz, MPH, MBA, Manager, Occupational Health, Workers Compensation, Employee Safety, Northwestern Memorial HealthCare; Mary Capelli-Schellpfeffer, MD, MPA, Associate Professor, Loyola University Health Systems Occupational Health Services
- Do individual workers and dual-earner couples have the time to obtain needed preventive healthcare services?
  Xiaoxi, Yao, PhD, MPH, MS, Research Associate, The Ohio State University College of Public Health; Allard E. Dembe, ScD, Professor and Director, The Ohio State University College of Public Health
- Changing Landscape of Healthcare - Options for the Self Insured
  Charles M. Yarborough, MD, MPH, FACOEM, FACPM, Director for Medical Strategies and Health Promotion, Lockheed Martin Corporation

Session 6.6: (Paper Session) - Healthy Leadership: Opportunities for Research, Practice and Research-to-Practice
Chair: Joel B. Bennett, PhD, President, Organizational Wellness & Learning Systems

- Healthy Leadership: Opportunities for Research, Practice, and Research-to-Practice
  Joel B. Bennett, PhD, President, Organizational Wellness & Learning Systems; James Campbell Quick, PhD, Professor of Leadership & Organizational Behavior / John and Judy Goolsby - Jacqualyn A. Fouse Endowed Chair, The University of Texas at Arlington, USA and Lancaster University Management School, UK
- A Healthier Workforce Makes for a Safer Workplace
  Todd Hohn, CSP, Global Director of Workplace Health and Safety, Underwriters Laboratories, Inc.
Plenary Session II
Maximizing Total Worker Health - A Panel Session
Wednesday, October 8, 2014 | 8:30 AM - 10:00 PM

8:30 AM
VHA Optimizes the Psychosocial Work Environment
Kathleen McPhaul PhD, MPH, BSN, COHN-S

Traditional occupational health protection and health promotion programs generally limit their stress reduction initiatives to promoting resilience in the work force while paying less attention to assessing the need for change in organizational level factors that affect the psychosocial work environment. Because stress reduction is so fundamental to successful implementation of Total Worker Health, this session will describe how an effective Workplace Violence Prevention Program (WVPP) is essential to employer health protection and health promotion programs.

Kathleen McPhaul PhD, MPH, BSN, COHN-S, Chief Consultant, Occupational Health, Veterans Health Administration (VHA)

Dr. Kathleen (Kate) McPhaul joined the Department of Veterans Affairs in 2012. She spent twenty years at the University of Maryland in both staff and faculty positions. Her formal research interests have included depleted uranium in Persian Gulf veterans, occupational lead exposure in construction, workplace violence prevention in mental health and addictions settings, bloodborne pathogen interventions in home health care, co-worker conflict in public employees and occupational health, safety and health needs of the aging healthcare workforce. She has authored many publications and is widely viewed as an expert in occupational health in the health care work environment.

8:00 AM
Striving to Attain the Healthiest Workforce in Health Care: Kaiser Permanente’s Vision and Strategy
Barbara Smisko, MS

This presentation describes the structure and strategy for Kaiser Permanente’s comprehensive, integrated approach to the total health of its employees and physicians, implemented in January 2014. The program is designed to achieve the healthiest work force in the health care industry, one of the highest-risk industries relative to safety, health, and wellness. Although singular, independent programs have seen successes at Kaiser Permanente since 1997, leaders of the organization expect the integration of six key programs to significantly accelerate results. The first complete set of results will be available in late July 2014.

Attendees will learn:
• The structure, vision, and 5 strategic priorities of Kaiser Permanente’s comprehensive, integrated approach to total worker health;
• Targeted metrics and specific projects being undertaken to achieve results; and
• Initial quantifiable impacts of the approach.

Barbara Smisko, MS, Executive Director for National Environmental Health & Safety; Kaiser Permanente

Barbara Smisko serves as Kaiser Permanente’s executive director for National Environmental, Health and Safety. In this role, Barbara provides strategic direction and leadership to Kaiser Permanente’s national program, which includes identifying, evaluating, and optimizing opportunities to protect and improve employee safety, health, productivity, and the processes that enable regulatory compliance. Barbara has an MS in Environmental Management from the University of San Francisco; an MS in Education from the University of Wisconsin, Madison; and a BS in Education from Southern Illinois University. Barbara is a Certified Safety Professional (CSP), a member of the American Society of Safety Engineers (ASSE), and serves on the California Occupational Safety & Health Standards Board.
Connecting the Dots: Increasing Investments in People for Better Business Performance

Bruce W. Sherman, MD, FCCP, FACOEM; Wendy D. Lynch, PhD

For most, if not all employers, health benefits represent a substantial organizational cost. An opportunity exists to examine which elements of benefits are a cost of doing business and which are strategic investments in workforce human capital. When considered investments, organizational outcomes include a broad array of dimensions, including healthcare cost and outcomes, workforce performance, safety, work quality, and employee engagement. This session will provide a framework for a broader organizational approach to workforce health, well-being and performance, including a structured metrics framework for evaluation of business impact of specific program interventions.

Bruce W. Sherman, MD, FCCP, FACOEM, Medical Director, Employers Health Coalition, Inc., Clinical Asst. Professor, Department of Medicine, Case Western Reserve University School of Medicine

Dr. Sherman’s work involves supporting employer efforts to measure and maximize the value of business investments in workforce health and well-being. He currently serves as the consulting Corporate Medical Director for Wal-Mart Stores, Inc., supporting the development of integrated, value-based health management strategies for the organization’s associates and family members in the US. Dr. Sherman has particular interests in the areas of the business value of a healthy workforce and innovative employer approaches to healthcare delivery. A frequent speaker at national venues, he has presented workforce health management strategies to diverse audiences, and has published numerous related articles.

Wendy D. Lynch, PhD., Director, Center for Consumer Choice in Health Care. Altarum Institute

For almost 30 years, Dr. Wendy Lynch has been making the connection between human and business performance. Her career has included roles as faculty at the University of Colorado Health Sciences Center, Vice President of Strategic Development at HCMS Group, Principal at Mercer Human Resource Consulting and on the Board of Directors for two publicly-traded companies. Now Dr. Lynch serves as Co-Director of the Center for Consumer Choice in Health Care at the Altarum Institute and runs her own consulting firm. A frequent speaker, and author of over 100 articles and reports, Dr. Lynch has also published two books: “Who Survives?” and “Aligning incentives, Information and Choice.”
Plenary Session III
Creating the First Generation of TWH™ Professionals: An Interactive Q/A Session on Redesigning the Occupational Health and Safety Curriculum-A Panel Session
Wednesday, October 8, 2014 | 10:30 AM - 12:00 PM

**Introduction**

Lee Newman, MD, MA, FACOEM, FCCP, Panel Chair
Despite rising awareness of the value of an integrated approach to worker health, safety and wellbeing, referred to as “Total Worker Health™” (TWH), there remain significant barriers to adoption of TWH practices, stemming in part from a lack of education. In particular, practicing occupational safety and health professionals who have concentrated on health protection often lack the understanding and fluency in health promotion to become proponents of TWH. Additionally, today’s occupational health and safety trainees in NIOSH-funded Education and Research Centers (ERCs) and in Schools of Public Health are rarely taught TWH concepts in their curricula. In order to advance TWH, it is necessary to revise the approach to interdisciplinary education of the existing and future workforce. To address this problem, we will describe our approach and experience with curricular reform and with the integration of TWH into a NIOSH-funded ERC.

Lee Newman, MD, MA, FACOEM, FCCP

Lee Newman is a physician, professor, and digital health entrepreneur who has focused his career on improving the health, safety, and wellbeing of workers. He is a Professor at the Colorado School of Public Health and specializes in pulmonary medicine and occupational medicine. He’s the director of the Center for Worker Health and Environment and of the CDC/NIOSH Mountain and Plains Education and Research Center. Dr. Newman is also the founder of Axion Health, which provides software services for occupational health and safety practice.

**An Interactive Panel and Question & Answer session**

Leslie B. Hammer, PhD; Nico Pronk, PhD, FACSM, FAWHP; Bonnie Rogers, DrPH, COHN-S, FAAN; Laura Punnett, ScD; Liliana Tenney, MPH

Leslie B. Hammer, PhD

Dr. Leslie B. Hammer is a professor of psychology in the Department of Psychology at Portland State University. Dr. Hammer is the Director of the Center for Work-Family Stress, Safety, and Health, funded by grants from the National Institute for Child Health and Human Development and the National Institute for Occupational Safety and Health. Her research focuses on ways in which organizations can help reduce work and family stress and improve positive spillover among employees by facilitating both formal and informal workplace supports, such as Family Supportive Supervisor Behavior (FSSB) training. She has worked with such employee populations as grocery workers, health care workers (specifically nursing aid workers), construction workers, information technology workers, and is currently working with employment support and retention for our nation’s military veterans.
Nico Pronk, PhD, FACSM, FAWHP, Vice President and Chief Science Officer, HealthPartners and Adj. Professor, Social and Behavioral Sciences, Harvard School of Public Health

In his role, Dr. Pronk is focused on improving population health with practical programs and solutions that may be applied to the workplace, clinical, and community setting. He supports the development of new models to improve health at the research, practice and policy levels. Dr. Pronk is a member of the Community Preventive Services Task Force and the Roundtable on Obesity Solutions of the Institute of Medicine at the National Academy of Sciences. He is widely published in both the scientific and practice literature and is a national and international speaker on population health and health promotion.

Bonnie Rogers, DrPH, COHN-S, FAAN, Associate Professor, Nursing and Public Health Leadership Director, Occupational Safety & Health Research Center

Dr. Rogers is a Professor of Public Health and Nursing and is Director of the North Carolina Occupational Safety and Health Education and Research Center and the Occupational Health Nursing Program at the University of North Carolina in Chapel Hill, North Carolina. She has published nearly 200 articles and book chapters has had several funded research grants on clinical issues in occupational health, health promotion, research priorities, hazards to health care workers, and ethical issues in occupational health. Dr. Rogers is Chairperson of the NIOSH Board of Scientific Counselors and is past president of the American Association of Occupational Health Nurses, completed several terms as an appointed member of the National Advisory Committee on Occupational Safety and Health, and is President of the Association of Occupational and Environmental Clinics. She is on the IOM standing committee on Personal Protective Equipment for Workplace Safety and Health, Respiratory Protection for Healthcare Workers in the Workplace against Novel H1N1 Influenza A, and PPE for Healthcare Workers.

Laura Punnett, ScD

Laura Punnett, Sc. D., a professor of ergonomics and epidemiology and Distinguished University Professor at the University of Massachusetts Lowell, co-leads the Center for Health and Promotion in the New England Workplace. She is an expert in the patterns, causes, and effects of work-related musculoskeletal disorders; the effectiveness of workplace health efforts such as health promotion programs and labor management committees; and the role that work environment plays in maintaining socioeconomic disparities in population health.

Liliana Tenney, MPH

Lili Tenney is the Deputy Director at the Center for Worker Health and Environment and an instructor at the Colorado School of Public Health. Lili is co-founder of Health Links™, an initiative to promote worksite wellness in small businesses by providing them advising, certification, and connection to local health and wellness services. She conducts research on worksite wellness programs and the impact of these programs on worker health outcomes, meaningful employment, productivity, and company costs.
PST01 **Using a Total Worker Health™ Approach to Reduce Risks Linked to Shift Work, Long Work Hours, and Related Workplace Fatigue Issues**

_Claire Caruso, PhD RN, FAAN, NIOSH, Division of Applied Research and Technology (DART); Heidi Hudson, MPH, NIOSH, Office for Total Worker Health Coordination and Research Support; Michelle Lee, NIOSH, Office for Total Worker Health Coordination and Research Support; Jeannie A.S. Nigam, MS, NIOSH, Division of Applied Research and Technology (DART)_

Evidence is mounting that sleeping 7 to 8 hours a night is linked with a wide range of better health and safety outcomes but a growing number of American workers are not getting enough sleep. Inadequate sleep has implications not only for individual workers (i.e., personal safety, susceptibility to illnesses), but also for the health of businesses (i.e., errors, low productivity, safety incidents) and communities (i.e., industrial disasters and motor vehicle crashes). In this interactive workshop, participants will learn about the latest research and broad range of factors that both positively and negatively influence employee fatigue and sleep health. Workshop presenters will provide participants an overview of Essential Elements for planning and implementing an integrated intervention that includes organizational and personal strategies and solutions relevant to healthy sleep, shift work, long work hours, and fatigue. Participants will also have an opportunity to discuss and explore practical ways to implement those strategies within their own organizations.

PST02 **Economic Evaluation of Total Worker Health: Examining Prevention Effectiveness, Cost-Benefit and Decision Analysis**

_Abay Asfaw, PhD, NIOSH; Tapas K. Ray, PhD, NIOSH_

This workshop will introduce prevention effectiveness methods of decision analysis and economic evaluation, and the principles used to assess the costs and effectiveness of interventions all with the focus on integrated programs that address both health protection and health promotion. At the conclusion of the workshop, participants should be able to 1) recognize the usefulness of decision analytic methods in occupational safety and health research; 2) construct and use a decision tree; 3) identify three economic methods that can be used to evaluate interventions; 4) plan a prevention effectiveness study for a specific intervention, and 5) calculate and interpret average and incremental cost-effectiveness ratios. Participants will have the opportunity to work through and discuss an interactive case study.
PST03 Adoption, Implementation and Dissemination of Worksite-Based Interventions: Lessons Learned and Applications for Improving Worker and Workplace Health
Laura Linnan, ScD, Department of Health Behavior, Carolina Collaborative for Research on Work and Health, University of North Carolina at Chapel Hill; Deborah McClellan, PhD, MHS, NIOSH Research Center of Excellence at the Harvard School of Public Health Center for Work, Health, and Well-being and the Dana-Farber Cancer Institute’s Center for Community-Based Research; Jennifer Leeman, DrPH, MDIV, School of Nursing, University of North Carolina Chapel Hill; Bonnie Rogers, DrPH, COHN-S, FAAN, Public Health and Nursing, North Carolina Occupational Safety and Health Education and Research Center and the Occupational Health Nursing Program at the University of North Carolina Chapel Hill; Julie A Sorensen, PhD, NIOSH Northeast Center for Agricultural, Forestry and Fishing Safety and Health NYCAMH/NEC; Robin Baker, MPH, U.C. Berkeley’s Center for Occupational and Environmental Health and CPWR – The Center for Construction Research and Training

Understanding factors influencing adoption, implementation and dissemination of effective interventions to improve worker and workplace health are needed. This highly interactive workshop will include discussions, case examples of successful efforts designed to improve worker or workplace health; and a small group activity to identify adoption, implementation and dissemination challenges and strategies for overcoming them. Case examples from a variety of CDC-funded Centers will be presented; then, a common set of processes that enhance these efforts will be co-created by workshop leaders and participants, including the identification of research gaps.

PST04 The Cleveland Clinic Case Study: Designing Your own Company-Wide Health Strategy
Jonathan Leizman, MD, Cleveland Clinic; Paul Terpeluk, DO, Cleveland Clinic; Bruce Rogen, MD, MPH, FACP, Cleveland Clinic; Patricia Zirm, RN, BSN, MPH, Cleveland Clinic

Inflated and escalating health care costs have created a competitive barrier for American industry. It is time for employers to become active participants in the health and well-being of their workers and to develop integrated company-wide health strategies. This workshop will show employers how they can create healthier workforces, increase employee productivity, and reduce overall health care expenditures. The workshop will explore eight elements of an integrated employee health strategy and identify how each can be applied into a integrated company-wide health strategy. Each element will conclude with an interactive 5-minute question, answer, and comment session that will allow participants to inquire about circumstances specific to their organizations and also to share experiences about their own efforts.

PST05 10-Time “Best Employer Winner” Reveals Templates for Sustainable Health and Safety Culture Success
Maribeth Rouseff, MBA, Baptist Health South Florida; Josette BouKhalil, MD, MPH, Baptist Health South Florida; Leah Holzworth, MS, CWP, ASCM/HFS, Baptist Health South Florida; Henry Guzman, RN, Baptist Health South Florida; Anika Lopez, BS, Baptist Health South Florida; Katina Fernandez-Huchi, BSHS, Baptist Health South Florida

Integrating worksite wellness and safety programs isn’t always easy, but the results can dramatically improve the health of an organization. With over a decade of experience and documented data Baptist Health’s employee health and employee wellness leadership team will provide insight and practical tools on how to connect the programs to create a culture of health and safety. This session will provide the participants a step by step, easy to understand, template on how to integrate an employee health and wellness program with safety initiatives to create a sustainable culture of well-being.
The 1st 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 http://www.genome.gov/11007522

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 1st International Symposium to Advance Total Worker Health™, please visit [www.eagleson.org/TWHREG](http://www.eagleson.org/TWHREG) or click the **Register Now** button below. You may also register over the phone by calling +1 207 490 1076.

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<th>Fees</th>
<th>By September 5th, 2014</th>
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Please Note: Your registration does not include any food. You may prepay for food as part of your registration. Alternatively, you may prepay food with a separate credit card or pay for meals on-site. For more information regarding meal options for this event, please visit: [www.eagleson.org/TWHMEALS](http://www.eagleson.org/TWHMEALS).

Cancellation / Substitution Policy: Individuals who cancel on or before 9/15/2014 will receive a full refund. A 50% refund will be issued for cancellations made between 9/16/2014 and 9/26/2014. No refunds will be issued for cancellations made after 9/27/2014. Substitutes for a registered attendee may be made at any time. Notification of cancellation or substitution must be received in writing at eagleson@eagleson.org.

For your convenience, blocks of rooms at reduced rates have been held at the following hotels. All hotels are easily accessible via the Metro. When making your reservation, please be sure to ask for the Eagleson Institute room block! The blocks will be released on September 5th, 2014.

- **Hyatt Regency**
  - One Bethesda Metro Center
  - Bethesda, MD 20814
  - 301-657-1234
  - $215/night

- **DoubleTree by Hilton**
  - 8120 Wisconsin Avenue
  - Washington, DC
  - 800-955-7359 (Group Code: E10)
  - $189/night

- **Bethesda North Marriott Hotel & Conference Center**
  - 5701 Marinelli Road
  - Bethesda, MD 20852
  - 301-822-9200
  - $169/night

- **Bethesda Marriott**
  - 5151 Pooks Hill Road
  - Bethesda, MD 20814
  - 301-891-9400
  - $149/night