

Canadian Association for Research on Work and Health

CARWH 
ACRST

Association Canadienne de Recherche en Santé au Travail

CARWH 2016

Advancing Research to Improve Work and Health

Conference Program

October 16-18, 2016
Chestnut Conference Centre
89 Chestnut Street
Toronto, Ontario

www.carwh2016.iwh.on.ca

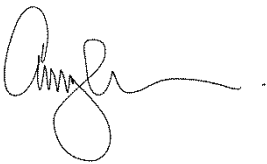
CARWH 2016: ADVANCING RESEARCH TO IMPROVE WORK AND HEALTH

The Occupational Cancer Research Centre and the Institute for Work & Health are delighted to welcome you to the CARWH 2016 Conference, Canada's premier meeting focused on work and health research.

CARWH conferences have brought together scientists, students and trainees, occupational health & safety practitioners, epidemiologists, clinicians, and policy-makers every two years since its inception in 2001. CARWH meetings are interdisciplinary and seek to bridge important gaps in work and health research by promoting knowledge exchange, research partnerships, and translation of research into the prevention and management of work-related injury and illness.

The 2016 conference is CARWH's 9th biennial meeting. It builds upon the success of the 2014 conference in Saskatoon, Saskatchewan and earlier meetings by offering a stimulating and diverse program of keynote presentations, panels, and parallel and poster sessions. The program, developed by the CARWH 2016 Scientific Committee with support from the Occupational Cancer Research Centre and the Institute for Work & Health, reflects the excellence of work and health research across the country.

We have planned several opportunities to engage with like-minded researchers over the course of the conference, including a welcoming reception, gala dinner, and CARWH Annual General Meeting. We hope that you enjoy the conference and some of the exciting flavours, sights, and sounds of Toronto during your stay.



Dr. Cameron Mustard
CARWH 2016 Co-Chair
President and Senior Scientist
Institute for Work & Health



Dr. Paul A. Demers
CARWH 2016 Co-Chair
Director
Occupational Cancer Research Centre



SPONSORS

Platinum



Gold



Silver



Bronze



SPECIAL ACKNOWLEDGEMENTS

Translation

France Labrèche, Institut de recherche Robert-Sauvé en santé et en sécurité du travail

Marie Laberge, Université de Montréal

Logistical Support

Philip Kiff, D4K Communications

Dylan Maccarone, Institute for Work & Health

Grant Yao, Institute for Work & Health

Paolo Maselli, Institute for Work & Health

Jan Dvorak, Institute for Work & Health

Kate Jardine, Occupational Cancer Research Centre

Marjorie Pagcu, Occupational Cancer Research Centre

Sheila Kalenge, Occupational Cancer Research Centre

ORGANIZING COMMITTEE

Paul A. Demers (Co-Chair), Occupational Cancer Research Centre

Cameron Mustard (Co-Chair), Institute for Work & Health

Victoria Arrandale, Occupational Cancer Research Centre

Mary Cicinelli, Institute for Work & Health

Hugh Davies, University of British Columbia

Amy Hall, University of British Columbia

France Labrèche, Institut de recherche Robert-Sauvé en santé et en sécurité du travail

Manisha Pahwa, Occupational Cancer Research Centre

Catherine Trask, University of Saskatchewan

SCIENTIFIC COMMITTEE

Catherine Trask (Co-Chair), University of Saskatchewan

Victoria Arrandale (Co-Chair), Occupational Cancer Research Centre

Anil Adishes, Dalhousie University

Jeremy Beach, University of Alberta

Steven Bornstein, Memorial University

Bruce Case, McGill University

Ray Copes, Public Health Ontario

Hugh Davies, University of British Columbia

Paul A. Demers, Occupational Cancer Research Centre

Tammy Eger, Laurentian University

Judy Guernsey, Dalhousie University

Linn Holness, Centre for Research Expertise in Occupational Disease

Niels Koehncke, University of Saskatchewan

Mieke Koehoorn, University of British Columbia, & Institute for Work & Health

Allan Kraut, University of Manitoba

Vicki Kristman, Lakehead University

France Labrèche, Institut de recherche Robert-Sauvé en santé et en sécurité du travail

Jérôme Lavoué, Université de Montréal

Nancy Lightfoot, Laurentian University

Katherine Lippel, University of Ottawa

Ellen MacEachen, Waterloo University

Christopher McLeod, University of British Columbia, & Institute for Work & Health

Cameron Mustard, Institute for Work & Health

Barb Neis, Memorial University

Anne-Marie Nicol, Simon Fraser University

Punam Pahwa, University of Saskatchewan

Cheryl Peters, Carleton University

Harry Shannon, McMaster University

Peter Smith, Institute for Work & Health

Susan Stock, Institut national de santé publique du Québec

Tim Takaro, Simon Fraser University

Paul Villeneuve, Carleton University

Richard Wells, Waterloo University

TRAINEE DAY COMMITTEE

Amy Hall (Co-Chair), University of British Columbia

Tyler Amell (Co-Chair), Morneau Shepell

Katrina Aguiar, McMaster University

Jesse Cooper, University of British Columbia

Neha Dewan, McMaster University

Bronson Du, University of Waterloo

Jonathan Fan, University of Toronto

Adriana Angarita Fonseca, University of Saskatchewan

Sabrina Gravel, Université de Montréal & IRSST

Mathew MacLeod, University of British Columbia

Andrew Sinstadt, University of British Columbia

TRAINEE AWARDS COMMITTEE

Jeremy Beach, University of Alberta

Stephen Bornstein, Memorial University

Ray Copes, Public Health Ontario

Elaina MacIntyre, Public Health Ontario

Kay Teschke, University of British Columbia

CARWH BOARD OF DIRECTORS, 2014-2016

President: **Hugh Davies**, University of British Columbia

Vice President/President Elect: **Catherine Trask**, University of Saskatoon

Past-President: **Barb Neis**, Memorial University

Treasurer: **Jeremy Beach**, University of Alberta

Secretary: **Victoria Arrandale**, Occupational Cancer Research Centre

Trainee Representative: **Amy Hall**, University of British Columbia

Member-at-large: **Tyler Amell**, Morneau Shepell

Member-at-large: **Craig Ervine**, University of Waterloo

Member-at-large: **Marie Laberge**, Université de Montréal

Member-at-large: **France Labrèche**, Institut de recherche Robert-Sauvé en santé et en sécurité du travail

Member-at-large: **Behdin Nowrouzi**, Laurentian University

Member-at-large: **Nicole Power**, Memorial University

Member-at-large: **Kay Teschke**, University of British Columbia

TRAINEE TRAVEL BURSARY RECIPIENTS

Caroline Dignard, Laurentian University

Bronson Du, University of Waterloo

Patrick Duong, University of Ottawa

Adriana Angarita Fonseca, University of Saskatchewan

Sabrina Gravel, Université de Montréal

Marie-Michèle Lord, Université du Québec à Trois-Rivières

Jean-François Sauvé, Université de Montréal

Xiaohe Zeng, University of Saskatchewan

TRAINEE ABSTRACT AWARDS

Jonathan Fan, University of Toronto

Jean-François Sauvé, Université de Montréal

Xiaohe Zeng, University of Saskatchewan

ABOUT THE CANADIAN ASSOCIATION FOR RESEARCH ON WORK AND HEALTH

The Canadian Association for Research on Work and Health (CARWH) is a non-profit association of Canadian researchers whose work focuses on the prevention and management of ill health, disability, and injury associated with work activities and environments. Founded in 2001, CARWH has a mission to enhance and promote research on workplace health, safety, and well-being in Canada and to advocate for research on how work and work environments can be altered to improve health, safety, and wellness among Canadians.

Regular membership is open to anyone who identifies him/herself as a work and health researcher in Canada. Non-voting Associate and Organizational memberships are available for individuals or groups that have an interest in CARWH activities but are not health and work researchers. To apply for membership, visit www.carwh.ca.

PLENARY SPEAKERS



Dr. Harry Shannon

Dr. Harry Shannon, PhD, is Professor Emeritus in the Department of Clinical Epidemiology & Biostatistics, McMaster University; and Adjunct Scientist, Institute for Work & Health. He has conducted numerous studies on occupational health and safety. He was on the editorial board of Safety Science from 1997-2015, and has been on the editorial board of Occupational and Environmental Medicine since 2004. He was the President of the Canadian Association for Research on Work & Health (CARWH) in 2003-2004. He chaired the Methodology Working Group of the Canadian Longitudinal Study on Aging from 2009 to 2015.

Health and safety implications of population aging

Monday October 17, 9:00 am

The aging of the population is now well known and governments will likely encourage more people aged 55-64 and older to remain in the workforce. Since older workers may be less able to cope with the demands of work, the occupational health and safety (OHS) implications must be considered. The talk will outline the changing age structure of workforces. It will then outline the normal changes in health that occur with chronological age, and discuss the implications for OHS in the increasing number of older workers. I will pay attention to both physical health and cognitive and mental health. The talk will conclude by noting gaps in our knowledge, and will present some suggestions for future research.



Dr. Alex Burdorf

Dr. Alex Burdorf, PhD, is a full Professor in Determinants of Population Health at Erasmus Medical Center Rotterdam. His background is in occupational epidemiology and occupational hygiene. He is responsible for the research programme (about 30 persons) that comprises research groups on social determinants of population health, determinants and interventions on injuries, and on occupational health. The latter research includes etiological studies on work-related diseases, intervention studies on ergonomic improvements and on lifestyle health promotion programmes, cost-effectiveness studies, and studies on the role of health in labour

force participation. He has co-authored well over 350 scientific publications in a large variety of journals.

The impact of work-related factors and chronic disease on labour force participation among aging workers

Tuesday October 18, 8:30 am

With increasing age of statutory retirement, working careers are prolonged. Many older workers will face chronic diseases during the latter stages of their working career, which may influence their work performance as well as their ability to remain employed. In cohort studies with long-term follow-up to allow for life course analysis, it has been demonstrated that workers in physically strenuous jobs may spend up to 3 years in work-related disability before retirement. Ill health is an important reason in the ageing workforce to be forced out of the labour market, especially among those lower educated with poor jobs. Subsequently, loss of paid employment is an important cause of increasing health inequalities. In recent studies we have investigated how working conditions influence the ability of workers with health problems to remain in paid employment during a 3 year follow-up. Psychosocial work-related factors modified the influence of health problems on disability benefits. Higher autonomy, higher support and low psychosocial job demands reduced the risk of disability benefits by 82%, 49%, and 11% respectively. Promoting an optimal work environment will contribute substantially to sustainable employment.

PROGRAM AT A GLANCE

SUNDAY, October 16: Trainee Day (Giovanni Room)				
8:00 am – 8:45 am	<i>Registration and Breakfast</i>			
8:45 am – 9:15 am	Welcome and Introductions			
9:15 am – 10:30 am	SESSION I: Preparing for a Career in Academia, Government, or Industry			
10:30 am – 10:45 am	<i>Break</i>			
10:45 am – 12:00 pm	SESSION II: Communicating for Impact			
12:00 pm – 1:00 pm	<i>Lunch</i>			
1:00 pm – 2:30 pm	SESSION III: Pitching Your Ideas Part A: Scholarships and Research Grants			
2:30 pm – 2:45 pm	<i>Break</i>			
2:45 pm – 4:00 pm	SESSION IV: Pitching Your Ideas Part B: Workplace Health and Safety			
CARWH 2016 Opening Events				
5:30 pm – 7:00 pm	POSTER SESSION (Colony Ballroom)			
6:00 pm – 8:00 pm	<i>Opening Reception (Colony Ballroom)</i>			
MONDAY, October 17: Day 1 Program				
7:30 am – 8:30 am	<i>Registration and Breakfast</i>			Colony Ballroom
8:30 am – 9:00 am	OPENING AND WELCOME: Dr. Hugh Davies, Dr. Cameron Mustard, Dr. Paul Demers			Colony Ballroom
9:00 am – 9:45 am	OPENING PLENARY: Dr. Harry Shannon			Colony Ballroom
9:45 am – 10:15 am	<i>Break and poster viewing</i>			Colony Ballroom
10:15 am – 11:45 am	PARALLEL SESSIONS			
Colony: Aging 1: Older workers and musculoskeletal health	Armoury: Cancer at work: exposure, risk, and beyond	St. David: Health considerations for vulnerable work and workforces	St. Patrick: Emerging topics in return to work	
11:45 am – 12:45 pm	<i>Lunch</i>			Colony Ballroom
12:45 pm – 2:00 pm	PLENARY PANEL: Gender, Work and Health: Research Applications Across Disciplines			Colony Ballroom
2:10 pm – 3:10 pm	PARALLEL SESSIONS			
Colony: Aging 2: Considerations for older workers	Armoury: Balancing act: working with chronic illness or psychosocial exposures	St. David: Renewed questions on asbestos and lung health	St. Patrick: Collaboration and advocacy as intervention approaches	
3:10 pm – 3:45 pm	<i>Break and poster viewing</i>			Colony Ballroom
3:45 pm – 5:00 pm	PARALLEL SESSIONS			
Colony: Aging 3: Work participation and older workers: examining mechanisms and interventions	Armoury: Machinery operation at work: whole body vibration and beyond	St. David: Sun Safety at Work: Canadian experiences with implementing effective sun safety programs	St. Patrick: The organizational level: disability and occupational health and safety management	
6:00 pm – 8:00 pm	<i>Gala Dinner</i>			Colony Ballroom
TUESDAY, October 18: Day 2 Program				
7:30 am – 8:30 am	<i>Breakfast</i>			Colony Ballroom
8:30 am – 10:00 am	PLENARY: Dr. Alex Burdorf; Best Student Abstracts			Colony Ballroom
10:00 am – 10:30 am	<i>Break and poster viewing</i>			Colony Ballroom
10:30 am – 11:45 am	PARALLEL SESSIONS			
Colony: Issues on mental health and psychosocial conditions in the workplace	Armoury: Preventing vibration induced injury: findings from the lab, field and clinic	St. David: Pot-pourri: Injury surveillance and epidemiology	St. Patrick: Large scale occupational exposure databases: applications in research and prevention	
11:45 am – 1:30 pm	<i>Lunch and CARWH Annual General Meeting</i>			Colony Ballroom
1:30 pm – 2:45 pm	PARALLEL SESSIONS			
Colony: Canada's prospective cohort studies: opportunities for occupational health research (Panel)	Armoury: Integrating knowledge transfer and exchange into the research process (Workshop)	St. David: Social media within the occupational safety and health landscape (Panel)	St. Patrick: Preventing occupational disease: designing a system that works (Panel)	
2:45 pm – 3:15 pm	<i>Break and poster viewing</i>			Colony Ballroom
3:15 pm – 4:30 pm	PARALLEL SESSIONS			
Colony: Employment-related geographical mobility and workers' health and access to workers' compensation	Armoury: Musculoskeletal disabilities: Identification, interventions, incentives, prevention	St. David: Emerging issues in exposure assessment	St. Patrick: Prevention of occupational skin disease	
4:30 pm – 5:00 pm	CLOSING PLENARY: Dr. Cameron Mustard, Dr. Paul Demers, Dr. Catherine Trask			Colony Ballroom

Please note that simultaneous translation is available for all sessions held in the **Colony Ballroom** on Monday and Tuesday

SUNDAY, OCTOBER 16: TRAINEE DAY

Welcome and Introductions

8:45 am – 9:15 am

Amy Hall (University of British Columbia) and Tyler Amell (Morneau Shepell)

Session I: Preparing for a Career in Academia, Government, or Industry

9:15 am – 10:30 am

Panelists working in academia, government, and industry will discuss their personal OHS career trajectories and share their best career preparation tips (question and answer period to follow).

Guest Speakers: Tracy Kirkham (University of Toronto), Catherine Trask (University of Saskatchewan), Brendan Smith (Public Health Ontario), Alice Peter (Cancer Care Ontario), Eugene Wen (Manulife; formerly Ontario Workplace Safety and Insurance Board), Tyler Amell (Morneau Shepell), Minh Do (Public Health Agency of Canada)

Session II: Communicating for Impact

10:45 am – 12:00 pm

This session will explore how to communicate research plans and results in ways that resonate with the intended audience and inspire impact. Participants will look at objectives for their own research, identify the appropriate audience, and develop a strategy for engaging that audience effectively.

Guest Speaker: Alison Palmer (CAREX Canada)

Session III: Pitching Your Ideas | Part A: Scholarships and Research Grants

1:00 pm – 2:30 pm

The 'short-but-sweet' scientific summary is an integral part of selling a research proposal or scholarship. This session will discuss strategies for writing simple yet compelling scientific summaries, after which participants will be guided through hands-on review exercises.

Guest Speaker: Kay Teschke (University of British Columbia)

Session IV: Pitching Your Ideas | Part B: Workplace Health and Safety

2:45 pm – 4:00 pm

Various aspects of OHS research require communication with "the real world". This session will address topics such as developing meaningful research questions with stakeholder input, identifying appropriate communication channels, and conducting research in the workplace.

Guest Speakers: Eugene Wen (Manulife; formerly Ontario Workplace Safety and Insurance Board), John Oudyk (Occupational Health Clinics for Ontario Workers), Andrew King (United Steelworkers [Retired]), Terri Aversa (Ontario Public Service Employees Union)

Opening and Welcome Remarks: 8:30 am – 9:00 am, Colony Ballroom

Dr. Hugh Davies, CARWH President

Dr. Cameron Mustard and Dr. Paul Demers, CARWH 2016 Co-Chairs

Opening Plenary: 9:00 am – 9:45 am, Colony Ballroom

Health and Safety Implications of Population Aging

Dr. Harry Shannon

Parallel Sessions S01 – S04: 10:15 am – 11:45 am

Colony: Aging 1: Older workers and musculoskeletal health (Chairs: Andrew Laing, Xiaoke Zeng)	
Effects of worker age on estimates of maximum acceptable load mass – differences across industrial and health care settings (S01-01)	Andrew Laing
Aging and MSD: Strategies for older workers (S01-02)	Dwayne Van Eerd
Recovery from repeated bouts of fatiguing contractions in older adults (S01-03)	Jessica Cappelletto
Resilience for Older Workers with Arthritis Through Exercise (S01-04)	Monica Maly
Interventions to reduce injury risk for older workers in health care (S01-05)	Tara Kajaks
Work exposures and their relationship to the development of Osteoarthritis: A Systematic Review (S01-06)	Emma Irvin
Armoury: Cancer at work: exposure, risk, and beyond (Chairs: Hugh Davies, Joanne Kim)	
Occupational risk factors for prostate cancer in a Canadian national level case-control study (S02-01)	Jeavana Sritharan
Cancer Risks for firefighters, police and armed forces among men in a national census cohort (S02-02)	Anne Harris
Estimating occupational exposure to antineoplastic agents in Canada (CAREX Canada) (S02-03)	Amy Hall
Proportion of occupational cancer attributable to workplace environmental tobacco smoke in Canada (S02-04)	Chaojie Song
A detailed assessment of glyphosate use and the risks of non-Hodgkin lymphoma overall and for major histological sub-types: findings from the North American Pooled Project (NAPP) (S02-05)	Manisha Pahwa
The impact of community action on workplace-level change: The role of the community, environmentalists, and organized labour (S02-06)	Desre Kramer
St. David: Health considerations for vulnerable work and workforces (Chairs: Anne-Marie Nicol, Kathy Padkapayeva)	
Occupational health and safety inspection processes: challenges of addressing non-standard employment (S03-01)	Ellen MacEachen
Health and Safety of Foreign Seasonal Farm Workers in Nova Scotia (S03-02)	Laura Lee Madden
The Health and Wellness of Junior-Level Urban Professionals in Downtown Toronto: Understanding Job Flexibility and Work-Life Balance in Various Generations of Canadian Immigrants (S03-03)	Sharanya Varatharajan
Identifying OHS vulnerability factors among workers with disabilities (S03-04)	Curtis Breslin
Workplace accommodations for persons with physical disabilities: Evidence synthesis of the peer-reviewed literature (S03-05)	Kathy Padkapayeva
Maternal Bodies in “Bodyless” Culture: Pregnant and Postpartum Bodies in the Workplace (S03-06)	Elena Neiterman
St. Patrick: Emerging topics in return to work (Chair: Tyler Amell)	
What’s new in return-to-work (RTW) for musculoskeletal, pain-related and mental health conditions? (S04-01)	Emma Irvin
Conflicting Expectations about Disclosure of Accommodation Needs Between Employers and Workers with Fibromyalgia (S04-02)	Margaret Oldfield
Definitions and Measures of Return-to-Work Outcomes After Stroke: A Scoping Review (S04-03)	Patrick Duong
Exploring the Experiences of Injured Workers with Challenging Return-to-Work Trajectories (S04-04)	Rebecca Gewurtz
Outcomes of the implementation of a return-to-work/accommodation policy in a large healthcare employer (S04-05)	Cameron Mustard
Gender differences in detailed return-to-work trajectories following a workers’ compensation claim for musculoskeletal injury (S04-06)	Mieke Koehoorn

Plenary Panel: 12:45 pm – 2:00 pm, Colony Ballroom

DAY 1

Gender, Work and Health: Research Applications across Disciplines

Chair: Dr. Mieke Koehoorn

Speakers: Drs. Peter Smith, Joy McDermid, Angela Colantonio, Allison Williams, and Mieke Koehoorn

This plenary panel will host CIHR Research Chairs in Gender, Work and Health: Drs. Peter Smith, Joy McDermid, Angela Colantonio, Allison Williams, and Mieke Koehoorn. After introducing the program and goals of the Research Chairs in Gender, Work and Health, the panelists will discuss key issues in gender and health research: 1) How is gender/sex incorporated in research questions?, 2) how is gender/sex addressed or measured in study designs and/or analyses?, and 3) how does integrating gender/sex lead to new discoveries or insights? This session will end with a fifteen minute audience question and answer period moderated by Dr. Koehoorn.

Parallel Sessions S06-S09: 2:10 pm – 3:10 pm

Colony: Aging 2: Considerations for older workers (Chair: Behdin Nowrouzi)	
Work participation outcomes in older workers; results from a systematic review of prognostic studies (S06-01)	Ivan Steenstra
Les travailleurs de 55 ans et plus au Québec: portrait statistique de la main-d'oeuvre et des lésions professionnelles en 2010-2012 (S06-02)	Marc-Antoine Busque
Keeping Baby Boomers in the Labour Force Longer: What Are the Retirement Expectations of Older Workers with Chronic Diseases compared to their Healthy Counterparts? (S06-03)	Monique Gignac
The Experience of Informal Caregiving for Older Persons with Multiple Chronic Conditions (S06-04)	Bharati Sethi
Armoury: Balancing act: working with chronic illness or psychosocial exposures (Chairs: Ellen MacEachen, Bronson Du)	
Masked hypertension and effort-reward imbalance among 2369 white-collar workers (S07-01)	Philippe Boucher
Effort-reward imbalance at work and the prevalence of uncontrolled hypertension among treated workers (S07-02)	Caroline Duchaine
Effect of the double exposure to adverse psychosocial work factors and high family responsibilities on psychological distress: a 5-year prospective study among 1,135 white-collar working women (S07-03)	Mahée Gilbert-Ouimet
Young Workers: Exploring psychosocial vulnerabilities and employment support needs (S07-04)	Sandra Moll
St. David: Renewed questions on asbestos and lung health (Chairs: France Labrèche, Nicola Blagrove)	
Economic Burden of Lung Cancer and Mesothelioma in Canada Due to Occupational Asbestos Exposure (S08-01)	Emile Tompa
Impact of Gender, Age and Province on Compensation for Asbestos-Related Cancer (S08-02)	Paul Demers
The Occupational Disease Surveillance System (ODSS) for Ontario: a data linkage approach for monitoring work-related chronic disease risks (S08-03)	Jill Hardt
Thinking about occupation-response & exposure-response relationships: doubt science & mesothelioma (S08-04)	Kay Teschke
St. Patrick: Collaboration and advocacy as intervention approaches (Chairs: Tammy Eger, Diandra Budd)	
Are interventions that target work organization or the psychosocial work environment effective in preventing work-related musculoskeletal disorders? A systematic review of the literature (S09-01)	Susan Stock
Post-implementation stakeholder perspectives on a participatory ergonomics program (S09-02)	Dwayne Van Eerd
Caregiver-Employee Intervention Research in the Post-Secondary Educational Workplace: Managing Work-Life Balance at McMaster University (S09-03)	Allison Williams
Collaborative development of a simple and valid leading indicators tool for occupational health & safety (S09-04)	Sara Macdonald

Colony: Aging 3: Work participation and older workers: examining mechanisms and interventions (Chair: Peter Smith)	
A systematic review of interventions to promote work participation in older workers (S10-01)	Ivan Steenstra
Examining the temporal association between chronic disease diagnosis and work disability: A longitudinal study (S10-02)	Arif Jetha
Keeping the Boomers in the Labour Market: A Comparison of Workplace Accommodations, Health and Job Outcomes among Healthy Older Workers and those with Arthritis and Diabetes (S10-03)	Monique Gignac
Determinants of work participation in older workers; results from a systematic review of prognostic studies (S10-04)	Ivan Steenstra
Carcinogen exposure prevalence among industries with large proportion of older workers: an estimate for Quebec (S10-05)	France Labrèche
Armoury: Machinery operation at work: whole body vibration and beyond (Chairs: Catherine Trask, Marcus Yung)	
Comparing Whole Body Vibration Exposures in Three Heavy Truck Seats (S11-01)	Hugh Davies
Whole-body vibration exposure in machinery use among Saskatchewan farmers (S11-02)	Xiaoze Zeng
Farm Safety Hazards and Priorities in Newfoundland (S11-03)	Ewa M. Dabrowska
Comparisons between 90 degree turn characteristics when using a head-mounted display versus 300 degree wrap around screens in a fixed-base driving simulator (S11-04)	Diego Gonzalez
Combined Effects of Whole Body Vibration and Physically or Mentally Demanding Tasks: Exploring Potential for Work Schedule Planning (S11-05)	Marcus Yung
St. David: Sun Safety at Work: Canadian experiences with implementing effective sun safety programs (Chairs: Cheryl Peters, Thomas Tenkate)	
Sun Safety at Work Canada: Workers' Sun Safety Knowledge, Attitudes and Behaviour (S12-01)	Garthika Navaranjan
How high are occupational exposures to solar ultraviolet radiation in Canada? Some measurement results and dosimetry considerations (S12-02)	Cheryl Peters
Sun Safety at Work Canada: workplace perspectives on barriers and facilitators for managing sun safety (S12-03)	Desre Kramer
Sun Safety at Work Canada: Disseminating Sun Safety Program Resources through Stakeholder Engagement (S12-04)	Rivka Kushner
An occupational health and safety management system approach to addressing sun safety (S12-05)	Thomas Tenkate
St. Patrick: The organizational level: disability and occupational health and safety management (Chairs: Linn Holness, Firat Sayin)	
Measuring Organizational Policies and Practices for Health and Safety and Disability Prevention (S13-01)	Sheilah Hogg-Johnson
Program evaluation of work disability programs: what has been done over the past 15 years? (S13-02)	Bronson Du
Managing safety in the context of operations: the effect of joint management system practices on safety and operational outcomes (S13-03)	Lynda Robson
Testing the Joint Health and Safety Committee Assessment Tool in the Education Sector (S13-04)	Kathryn Nichol
Contextualized Knowledge Synthesis for Local Stakeholders in OHS (S13-05)	Emma Irvin

Morning Plenary: 8:30 am – 9:15 am, Colony Ballroom

The impact of work-related factors and chronic disease on labour force participation among ageing workers

Dr. Alex Burdorf

Morning Plenary: 9:15 am – 10:00 am, Colony Ballroom

Top Trainee Abstracts

Xiaoke Zeng: Predicting whole body vibration exposure in Saskatchewan farmers (S14-01)

Jean-François Sauv : Development of the CANJEM Canadian general-population job-exposure matrix from past expert evaluations (S14-02)

Jonathan Fan: Age and recovery expectations: Examining the influence of age on the perceived speed of recovery following work-injury (S14-03)

Parallel Sessions S15-S18: 10:30 am – 11:45 am

Colony: Issues on mental health and psychosocial conditions in the workplace (Chairs: Nicola Cherry, Bethany Zack)	
A Canada-Wide Survey of Workplace Psychosocial Conditions (S15-01)	John Oudyk
Establishing a “bona fide illness”: How organizational expectations coordinate the experience of workers with mental health issues (S15-02)	Cindy Malachowski
La sant� mentale et le bien-�tre dans l'industrie mini�re : vers une meilleure compr�hension de l'absent�isme et d'un retour au travail r�ussi (S15-03)	Caroline Dignard
Improving mental health support through co-worker education: A randomized parallel group trial (S15-04)	Sandra Moll
Contribution of psychosocial work factors in social inequalities of mental health: A population-based study (S15-05)	Caroline Duchaine
Armoury: Preventing vibration induced injury: findings from the lab, field and clinic (Chairs: Tammy Eger, Michele Oliver)	
Optimized Seating Can Reduce Vibration Exposure for Drivers and Passengers in Bucket Trucks (S16-01)	Jim Dickey
Heavy Mobile Equipment Seat Retrofitting to Reduce WBV Exposure – Going from the Field to the Lab to the Field (S16-02)	Michele Oliver
Foot-Transmitted Vibration: Field and Laboratory Evaluation (S16-03)	Katie Goggins
Evaluation of vibration focused occupational health and safety training materials in mining (S16-04)	Mallorie Leduc
The disability experience of workers with hand-arm vibration syndrome (S16-05)	Linn Holness
St. David: Pot-pourri: Injury surveillance and epidemiology (Chairs: Marie Laberge, Adriana Angarita Fonseca)	
Epidemiology of work-related traumatic brain injury in Ontario and beyond (S17-01)	Angela Colantonio
Surveillance of severe occupational and non-occupational injuries in Ontario (S17-02)	Victoria Landsman
Something to digest: A closer examination of WSIB lost-time rates from the food manufacturing sector (S17-03)	Chun-Yip Hon
Disability duration after work injury: A comparative analysis in British Columbia, Manitoba and Ontario, by sector and time (S17-04)	William Quirke
Unforeseen events for young apprentices at work: injury risk or learning opportunity? (S17-05)	Marie Laberge
St. Patrick: Large scale occupational exposure databases: applications in research and prevention (Chairs: Cheryl Peters, Amy Hall)	
Enhancing CAREX Canada estimates of occupational silica exposure (S18-01)	Chris Liddy
A task-based silica exposure modelling tool for construction companies (S18-02)	Melanie Gorman Ng
Historical Silica Exposure in the Ontario Mining Industry (S18-03)	Nicola Blagrove
Modelling of Historical Exposure Level of Carcinogens Using Canadian Workplace Exposure Database (S18-04)	Chaojie Song
National occupational exposure databases, are they biased? Insight from the US and France (S18-05)	J�r�me Lavou�

Panel: Canada's prospective cohort studies: opportunities for occupational health research (*Colony*)

Chair: Paul Demers

Speakers: Anita Kozyrskyj, Harry Shannon, John Spinelli

Workshop: Integrating knowledge transfer and exchange into the research process (*Armoury*)

Chairs: Siobhan Cardoso, Sara Macdonald, Ron Saunders

Panel: Social media within the occupational safety and health landscape (*St. David*)

Chairs: Caleb Leduc, Ann Pegoraro

Panel: Preventing occupational disease: designing a system that works (*St. Patrick*)

Chairs: Stephen Bornstein, Barb Neis

Parallel Sessions S23-S26: 3:15 pm – 4:30 pm

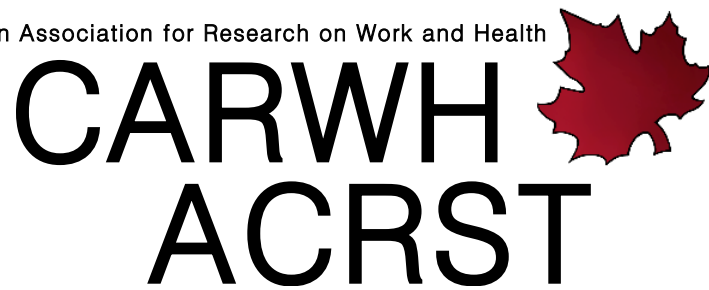
<i>Colony: Employment-related geographical mobility and workers' health and access to workers' compensation</i> (Chairs: Barb Neis, Kathy Fitzpatrick)	
Precarious employment and health: the cumulative and intersecting effects of work, job search, caregiving and commutes (S23-01)	Stephanie Premji
Employment-related geographical mobility and construction health and safety in Newfoundland and Labrador (S23-02)	Barb Neis
Workplace Injuries reported by interprovincial workers employed in Alberta: report of a feasibility study (S23-03)	Nicola Cherry
Workers' compensation and Employment-related geographic mobility (S23-04)	Katherine Lippel
On the move and behind closed doors: Southwest Newfoundland interprovincial home care workers' health and safety experiences (S23-05)	Kathy Fitzpatrick
<i>Armoury: Musculoskeletal disabilities: Identification, interventions, incentives, prevention</i> (Chairs: Philip Bigelow, Amin Yazdani)	
Identifying risk: The first step in a multi stage MSD prevention initiative (S24-01)	Nicolette Carlan
Developing a Business Case for the Trucking Industry (S24-02)	Emile Tompa
Successes and Struggles (S24-03)	Nicolette Carlan
Measuring Success What measures can we use to evaluate MSD Interventions? (S24-04)	Nicolette Carlan
Developing a Canadian Standard for Work Disability Prevention Management System (S24-05)	Amin Yazdani
<i>St. David: Emerging issues in exposure assessment</i> (Chairs: Kay Teschke, Amy Hall)	
Estimating exposure hours to working-at-heights in the Ontario labour force (S25-01)	Cameron Mustard
Evaluation of a novel hazardous Drug Environmental Sampling Kit (DESK) for use in healthcare settings (S25-02)	Chun-Yip Hon
Radon exposure and the inverse dose-rate effect among Ontario uranium miners (S25-03)	Garthika Navaranjan
Accounting for exposure to multiple carcinogens in occupational cancer burden estimation (S25-04)	Joanne Kim
A new Bayesian toolkit for the estimation of occupational exposure levels compared to exposure limits (S25-05)	Jérôme Lavoué
<i>St. Patrick: Prevention of occupational skin disease</i> (Chairs: Victoria Arrandale, Sabrina Gravel)	
What are the workplace training experiences of workers with contact dermatitis? A qualitative perspective on prevention (S26-01)	Bethany Zack
Skin exposure prevention training in the workplace (S26-02)	Irena Kudla
Feasibility of workplace screening for dermatitis in the hospital setting (S26-03)	Kathryn Nichol
A clinical surveillance database - what can it tell us about the workplace and work-related skin disease? (S26-04)	Linn Holness
Work-related versus non-work-related patch testing: using Ontario Health Insurance Plan data to explore the differences (S26-05)	Victoria Arrandale

POSTER PRESENTATIONS

- (P-01) Hospital Screening Practices for Hand Dermatitis (Kathryn Nichol)
- (P-04) Factors associated with musculoskeletal disorders among Canadian truck drivers: A cross-sectional study of worker perspectives (Sonja Senthana)
- (P-05) Évolution du risque de lésions avec une atteinte permanente au Québec, 2003-2012 (Marc-Antoine Busque)
- (P-06) Staying at work with fibromyalgia, an invisible chronic illness, by managing workplace identity to stop the stigma process (Margaret Oldfield)
- (P-07) Estimating occupational exposure to pesticides in Canada: Challenges and a proposed method (Ela Rydz)
- (P-08) Overcoming Recruitment Difficulties in Conducting Intervention Research with Caregiver-Employees: Lessons Learned from a Research Study at McMaster University (Jelena Atanackovic)
- (P-09) Experiences of Caregiver-Employees at McMaster University: A Descriptive Analysis of Challenges (Amin Yazdani)
- (P-10) When disability and immigrant status intersect: a quantitative intersectional analysis (Firat K. Sayin)
- (P-12) Impact of a Nursing Strike on Working Relationships (Ryan Cook)
- (P-13) Responding positively: Supervisor reaction to work injury and its association with return-to-work (Arif Jetha)
- (P-14) Gaps between levels of employment and employment intentions among a cohort of people living with or at risk of acquiring HIV infection who use illicit drugs in Vancouver, Canada (Robert Macpherson)
- (P-15) Validation of a Total Health Survey Initiative for Employers (Tyler Amell)
- (P-16) The relationship between occupational health and safety vulnerability and workplace injury (Morgan Lay)
- (P-17) Employment and disability benefits in Canada: Envisioning best practices for people with mental illness as they enter the system (Pam Lahey)
- (P-18) Prévention des risques professionnels en stage : critères de conception d'un outil d'aide à l'évaluation des risques à destination des enseignants superviseurs au PFAE (Aurelie Tondoux)
- (P-19) Preventing Occupational Disease (Occupational Asthma) (Kevin Hedges)
- (P-20) Risk factors associated with self-reported neck pain among office workers in a private university of Colombia: a cross-sectional study (Adriana Angarita Fonseca)
- (P-21) Identification, Control and Prevention of Work-related Psychosocial Hazards and Social Conditions Contributing to Mental Health Disorders and Prolonged Work Absence (Marc White)
- (P-22) Defining Episodic Disability: A scoping review (MC Breadner)
- (P-23) Factors influencing employer participation in research (Vicki Kristman)
- (P-24) Mieux comprendre les impacts de l'innovation au travail sur la santé mentale des travailleurs vieillissants pour améliorer la santé au travail (Marie-Michèle Lord)
- (P-26) Preliminary comparisons between driver responses to unexpected pedestrian crossings when using a head-mounted display versus 300 degree wrap around screens in a fixed-base driving simulator (Danielle Filio)
- (P-28) Preliminary Ergonomics Assessment among Canadian Waste Collection Workers (Benedicta Asante)
- (P-29) Knowledge translation through tailored package summaries: Sharing CAREX Canada's carcinogen surveillance resources (Joanne Telfer)
- (P-30) Gender differences in work disability duration across three workers' compensation systems in Canada (Robert Macpherson)
- (P-31) Paving the way for "New Midwifery": How Students in Midwifery Education Programs Navigate Work-Life Balance Challenges (Elena Neiterman)
- (P-32) OHS Futures Program Evaluation (Karina Thomas)
- (P-33) Does immigration status affect work disability duration for injured workers in Canada? (Niloufar Saffari)
- (P-35) Predicting successful return to work in workers on disability due to low back pain: Strategies and challenges in the recruitment of rehabilitation patients (Ivan Steenstra)
- (P-36) A pilot study investigating sleep patterns amongst Ontario FireRangers over a season of non-fire and fire suppression deployments (Zachary McGillis)
- (P-38) Organizational characteristics associated with shiftwork practices and opportunities for intervention: Results from a survey of shiftwork employers in British Columbia, Canada (Amy Hall)
- (P-39) Understanding Effective Worker Representation (John Oudyk)
- (P-40) Tools for informed substitution of cleaning products (Dorothy Wigmore)
- (P-41) Case studies from CAREX Canada's knowledge translation programme (Alison Palmer)
- (P-42) Work schedule as an occupational risk factor in mining and mine-related industries (Zsuzsanna Kerekes)

- (P-43) What kinds of work disability program design issues are researchers focusing on in cause-based versus comprehensive work disability systems? (Ellen MacEachen)
- (P-44) Recruiting Workers For MSD Interventions Lessons Learned (Rosemary Ku)
- (P-45) Work and health researchers' knowledge transfer practices (Dwayne Van Eerd)
- (P-46) Exploring workers' vulnerability to head and/or traumatic brain injury in the workplace (Pia Kontos)
- (P-47) Dynamics of sleep loss and recovery in workers with traumatic brain injury (Angela Colantonio)
- (P-48) Thematic Analysis of Key Recommendations from Commissioned Occupational Health and Safety Reports in Mining (Emily Tetzlaff)
- (P-50) Gender differences in duration of work absence for non-traumatic work-related musculoskeletal disorders (Susan Stock)
- (P-51) Health and Safety Matters! Survey of Occupational Health and Safety of Personal Support Workers in Ontario, Canada (Firat Sayin)
- (P-52) Linking long term labour market attachment and optimal HIV antiretroviral therapy outcomes among HIV-infected individuals who use illicit drugs in Vancouver (Robert Macpherson)
- (P-54) Addressing essential skills gaps among participants in an OHS training program: a pilot study (Ron Saunders)
- (P-55) Développement, test et comparaison d'un outil d'appréciation des risques dédié aux interventions en espace clos (Damien Bulet-Vienney)
- (P-56) Testing the impact of extreme postures on vigilance in a mining game simulation (Carolyn Knight)
- (P-57) A Bibliometric review of the most cited literature related to mining injuries (Behdin Nowrouzi-Kia)
- (P-58) Comparison of biomechanical upper limb exposures for musculoskeletal disorders in swine barns using needle-less and conventional injection techniques (Olugbenga Adebayo)
- (P-59) Patterns of trunk posture among Saskatchewan farmers (Muhammad Khan)
- (P-61) Youth, Mental Health and Work: A Northern Perspective (Katrina Aguiar)
- (P-62) Shift work and metabolic health in the Canadian Health Measures Survey (CHMS) (Anne Harris)
- (P-65) The effects of chronic conditions on absenteeism in Canada (Wei Zhang)
- (P-66) A Web-based Decision Tool Intervention for Caregiver-Employees at McMaster University (Anastassios Dardas)
- (P-67) A return to work program for workers with occupational skin disease: program components, barriers and facilitators (Linn Holness)
- (P-68) Effect of combined exposure to aversive psychosocial work factors on medically certified absence for mental health problems: A 5-year prospective study (Mahee Gilbert-Ouimet)
- (P-69) Combined effect of job strain and psychological distress on the risk of recurrent myocardial infarction (Mahée Gilbert-Ouimet)
- (P-71) Cumulative exposure to adverse psychosocial work factors and high psychological distress among white-collar workers: A 5 Year prospective study (Mahée Gilbert-Ouimet)

Canadian Association for Research on Work and Health



Association Canadienne de Recherche en Santé au Travail

www.carwh.ca