

Shiftwork2019 Presentation Schedule

Program is subject to change

Tuesday, September 10, 2019

Chair: Thomas Kantermann	
Keynote #1	
Bay 3	
Anne Helene Garde ("Health and Safety Risks Related to Characteristics of Shift Work Scheduling")	

09:30

Oral Session #1 Bay 1 Working Time Arrangements		Oral Session #2 Bay 3 Shift Work: Fatigue & Safety	
Chair: Tom Balkin		Chair: Greg Roach	
11:00	Jacqueline Ferguson Characterizing the Distribution of Shift Domains by Demographics and Shift Schedule in the American Manufacturing Cohort	Kimberly Honn	Fatiguing Effect of Multiple Take-Offs and Landings in Regional Airline Operation
11:15	Johannes Gärtner Modeling injuries and accidents based on selected working hours characteristics - A discussion of open questions and how to deal with them	Cassie Hilditch	Schedule Factors Associated with the Use of Controlled Rest in a Long-Haul Airline
11:30	Lucia Rotenberg Time, work and health among Brazilian civil servants: working too many hours, working under time pressure, or both?	Samantha Riedy	Model-Derived Estimates of Police Officers' Sleepiness using Actual and Predicted Sleep/Wake Behavior
11:45	Nils Backhaus Working Time Variability and Flexibility in Europe Revisited: A Typological Approach	Elizabeth Dotson	Effects of Fatigue on Officer Performance in Deadly Force Simulations
12:00	Anne Wöhrmann BAuA-Working Time Survey: A Representative Panel Study	David Dinges	Naturalistic Study of Sleep Quantity and Quality, Alertness, Sleepiness, Fatigue, and Stress in U.S. Commercial Motor Vehicle (CMV) Drivers: On-Duty Days vs. Restart (Off-Duty) Days
12:15	Jarno Turunen The Effects of the Use of Participatory Working Time Scheduling Tool on Sickness Absence: Results from Quasi-Experimental Study	Mathias Basner	Sleep and Alertness in a Duty-Hour Flexibility Trial in Internal Medicine

Symposium #1 Bay 1 Using Post-Event Fatigue Investigations to Improve Safety		Symposium #2 Bay 3 Night Work is Bad, So Day Work is Good, Right?	
Chairs: Jana Price & Katherine Wilson		Chair: Siobhan Banks	
13:45	Missy Rudin-Brown TSB Fatigue Investigation Methodology and Recommendations	Kenneth Wright Jr.	Daylight Exposure: Effects on Metabolism
14:15	Jason Palmer Using Vehicle Data to Identify and Address Fatigue	Claudia Moreno	Eating, Sleeping, and Working in Different Environments: Does it Make a Difference?
14:45	Jim Mangie Voluntary Fatigue Reporting System Within a Fatigue Risk Management System	Arne Lowden	Circadian and Sleep Constraints in Day Workers and Retired
15:15	Daria Luisi OSA Screening, Diagnosis, and Treatment Program Implementation After a Major Rail Event	Göran Kecklund	Working Mainly at Daytime: Health and Safety Risk Without Circadian Disruption

Tuesday, September 10, 2019
(continued)

	Posters: Bay 1	Posters: Bay 3
16:15	Poster Session #1: Circadian Rhythms	Poster Session #2: Mental Health
17:15	Poster Session #3: Shiftwork and Disease	Poster Session #4: Sleep & Sleepiness
	Chairs: Imelda Wong & Drew Dawson	
18:30	<i>Industrial Health</i> Special Issue Discussion Bay 3	

Wednesday, September 11, 2019

Oral Session #3 Bay 1 Sleepiness & Cognition		Oral Session #4 Bay 3 Sleep & Work-Life Balance	
Chair: Raymond Matthews		Chair: Phil Bohle	
09:00	Darian Sidebottom Executive and Non-Executive Components of Visual Working Memory Task Performance During Total Sleep Deprivation	Heli Järnefelt	Insomnia Interventions among Shift Workers: An RCT Trial in Occupation Health Services
09:15	Amanda Hudson Effects of Acute Total Sleep Deprivation on Sustained Attention and Response Inhibition	Charli Sargent	The Impact of Different Daytime Sleep Strategies on Sleep Duration During a Week of Simulated Night Work
09:30	Erin Flynn-Evans Supervision of a Self-Driving Vehicle Unmasks Latent Sleepiness Relative to Manual Driving	Sally Ferguson	What is the Impact of On-Call Working Time Arrangements for the Partners of On-Call Workers?
09:45	Ashleigh Filtness Self-reported Driver Sleepiness in London bus drivers	Corinna Brauner	Health and Work-Life Balance Across Types of Work Schedules: A Latent Class Analysis

Symposium #3 Bay 1 Individual Differences in Shift Work Tolerance: Gender & Aging		Symposium #4 Bay 3 Sleep, Work, and Chronic Disease: New Insights and Current Challenges	
Chair: Heidi Lammers-van der Holst		Chair: Céline Vetter	
10:30	Diane Boivin Sex Differences in Tolerance to Night Shifts	Amy Reynolds	Non-Standard Work Hours and Chronic Health Conditions in Australia
11:00	Parisa Vidafar Sex Differences in Shift Work Tolerance: Searching for a Potential Mechanism	Johnni Hansen	Shift-Work, Diurnal Preference, Sleep and Parkinson's Disease
11:30	Mikko Härmä Working Hours, Sleep and Fatigue in the Finnish Public Sector-Study. Does Ageing Matter?	Philip Tucker	Shiftwork and Prescription Medication Use
12:00	Jeanne Duffy Older Shiftworkers: Greater Tolerance for Sleep Loss, But Worse Ability to Sleep at Adverse Times	Jill Dorrian	Coping Strategies and Health in Shift Workers

Chair: Alexandra Holmes			
Keynote #2 Bay 3 Michael Belzer ("The Economics of Long Work Hours")			

Chair: Charli Sargent			
50th Anniversary Session Bay 3			

**Wednesday, September 11, 2019
(continued)**

	Posters: Bay 1	Posters: Bay 3
16:15	Poster Session #5: Shiftwork and Safety	Poster Session #6: Measurement and Modeling
17:15	Poster #7: Policy and Education	Poster Session #8: Working Time Arrangements

	Oral Session #5 Bay 1 Shiftwork & Patient Care		Oral Session #6 Bay 3 Circadian Misalignment & Light	
	Chair: Siri Waage		Chair: Anastasi Kosmadopoulos	
18:30	Lois James	The Impact of Cumulative 12-Hour Work Shifts on Nursing Critical Skills	Gregory Roach	Daylight Light Exposure Affects Circadian Adaptation to a Week of Night Shifts
18:45	Nathaniel Elkins-Brown	The Impact of Day and Night Shifts on Sleep and Patient Care Skills in Registered Nurses	Heidi Lammers-van der Holst	Individual Differences in Response to Bright Light Exposure to Enhance Adaptation to a Counterclockwise Shift Work Rotation
19:00	Anna Dahlgren	Teaching strategies for sleep and recuperation to new nurses who are starting shift work: can it mitigate fatigue and ill-health? Results from a randomized controlled trial	Erlend Sunde	Effects of Different Light Intensities on Adaptation to Simulated Night Shifts: A Randomized Counterbalanced Crossover Study
19:15	Jlynn Westley	The Impact of Hours Worked on Near Miss Medication Error Alerts	Philip Cheng	Risk-Taking and Circadian Misalignment in Night Shift Workers

Thursday, September 12, 2019

Oral Session #7 Bay 1 Shiftwork & Disease		Oral Session #8 Bay 3 Food & Caffeine Intake	
Chair: Adam Fletcher		Chair: Anna Arlinghaus	
09:00	Jeanette Jørgensen Shift Work and Incidence of Dementia: A Danish Nurse Cohort Study	Anastasi Kosmadopoulos	The quantity and timing of food intake by police officers on rotating shift schedules varies by shift type
09:15	Bette Loef Shift Workers in Healthcare have a Higher Incidence and Severity of Respiratory Infections than Non-Shift Workers	Siobhan Banks	Strategically Timed Food Intake During the Night Shift: Putting These Countermeasures to Practice
09:30	Elaine Marqueze Changes in body weight after exogenous melatonin supplementation on days-off in overweight nurses who work permanent night shifts: Preliminary results	Devon Hansen	Effects of Repeated Dose Caffeine on Neurobehavioral Performance during 48 hours of Total Sleep Deprivation
09:45	Bala Koritala Night shift disrupts the DNA repair and enhances DNA damage in humans	Alex Agostini	The relationships between coping styles and food intake in shiftworking nurses and midwives

Symposium #5 Bay 1 Fatigue Risk Management in Nursing and Opportunities for Innovation and Growth		Symposium #6 Bay 3 Strategies to Mitigate Fatigue Hazard Due to Irregular Working Hours in Transport	
Chair: Lois James		Chair: Göran Kecklund	
10:30	Linsey Steege Addressing Occupational Fatigue in Nurses - Fatigue Monitoring and Risk Management to Improve Nurse Safety and Health	Torbjörn Åkerstedt	Sleepiness at Top of Descent - Influence of Time of Day, End Time, Duration and Sectors in a Large European Sample of Aircrew
11:00	Chiara Dall'Ora Costs and Consequences of 12-Hours Shift in Nursing: Perspectives from England's National Health Service	Mikael Sallinen	Fatigue Mitigation in Air, Road, and Rail Transport: Biomathematical Modeling and Operators' Behavioral Strategies
11:30	Knar Sagherian Subjective Fatigue and Fatigue-Risk Measurement and Their Relationships With Absenteeism in 12-Hour Shift Hospital Nurses from the United States	Stephen Popkin	At the Intersection of Hours of Service Regulations, Fatigue Risk Management and the Changing Landscape of Vehicle - Operator Interaction: Charting a New Destination or Doomed to Go Around in Circles
12:00	Marian Wilson On-Duty Performance Measurements and Impacts of Work/Break Policies for Shift-Working US Nurses	Anna Anund	Autonomous Driving and Working Hours in Road Transport

Chair: Johannes Gärtner			
Keynote #3			
Bay 3			
13:45 John Axelsson ("When Can You Start to Trust an Awakening Brain?")			

Friday, September 13, 2019

Symposium #7 Bay 1		Symposium #8 Bay 3	
Modeling Shift Work and Circadian Disruption: Experimental and Mathematical Approaches		Circadian Health and Optimization on a Shiftwork Schedule	
Chair: Masaya Takahashi		Chair: Diane Boivin	
10:00	Svetlana Postnova Predicting Alertness, Sleep, and Circadian Dynamics in Nurses Working Shifts	Céline Vetter	Sleep Around the Clock: Chronotypes and Sleep Health in Contemporary Nursing Schedule
10:30	Janne Grønli Can Night Shift Workers Benefit From Light Exposure?	Gena Glickman	Optimizing Shiftworker Sleep and Circadian Health via Novel Lighting Strategies
11:00	David Karlsson Improving a Bio-Mathematical Fatigue Model to Better Cope with Large Time Zone Transitions	Siobhan Banks	Altering the Timing of Meals to Improve Metabolic Health in Shift Workers
11:30	Michael Rempe A Mathematical Framework for Understanding Sleep Disturbances in a Rodent Model of Shift Work	Emily Manoogian	Time-Restricted Eating to Improve Health in Firefighters