

# LAUREN B. WAGGONER, PHD

## CURRENT POSITION

- 8|19-present Director of Research – Clinical Science & Applied Analytics Team, Nox Health, Johns Creek, Georgia
- 3|20-present Adjunct Professor – University of South Australia, Adelaide, South Australia, March 2020

## EDUCATION

- 2012 Ph.D. Washington State University, Spokane, Washington, Criminal Justice and Criminology
- 2009 M.A. Washington State University, Spokane, Washington, Criminal Justice
- 2007 B.S. St. Lawrence University, Canton, New York., Mathematics

## ACADEMIC & ORGANIZATIONAL APPOINTMENTS

- 3|20-present Adjunct Professor, University of South Australia, Adelaide, South Australia, Dr. Jillian Dorrian (main collaborator).

## PROFESSIONAL POSITIONS

- 8|19-present Director of Research – Clinical Science & Applied Analytics Team, Nox Health, Johns Creek, Georgia
- 3|20-present Adjunct Professor – University of South Australia, Adelaide, South Australia, March 2020
- 10|19-3|20 Fatigue Scientist, Data Modeling Team – Flight Safety, Delta Air Lines, Atlanta, Georgia
- 6|19-10|19 Fatigue Scientist/Metrics, Flight Operations – Flying Operations, Delta Air Lines, Atlanta, Georgia
- 3|18-6|19 Operational Fatigue Research Analyst, Flight Operations - Crew Resources and Planning, Delta Air Lines, Atlanta, Georgia
- 12|17-3|18 Lead Behavior Modeler and Analyst, Institutes for Behavior Resources, Baltimore, Maryland
- 9|13-12|17 Staff Scientist for Operational Performance and Mathematical Modeling, Institutes for Behavior Resources, Baltimore, Maryland
- 7|12-8|13 National Research Council (NRC) Postdoctoral Fellow, Department of Operations Research, Naval Postgraduate School, Monterey, California
- 5|09-7|12 Graduate Research Assistant, Sleep and Performance Research Center, Washington State University, Spokane, Washington
- 2012 Course Lecturer, Department of Criminal Justice and Criminology, Washington State University, Spokane
- 5|10-8|10 Naval Research Enterprise Intern (NREIP), Warfighter Human Systems Integration Laboratory, Naval Research Laboratory, Washington, D.C.
- 1|09-12|09 Course Instructor/Grader, Department of Criminal Justice – Distance Degree Program, Washington State University, Spokane

08|08-5|09      Research Assistant, Sleep and Performance Research Center, Washington State University, Spokane, August 2008 – May 2009.

## RESEARCH

### RESEARCH COLLABORATIONS

Collaborative Scientist/Industry Expert, Multi-Institute Research Project Exploring the Impact of Fatigue on Team Performance with University of South Australia, Washington State University and NASA – Behavioral Biology Laboratory, Fall 2017 – present; Siobhan Banks (PI), Jillian Dorrian (PI), Hans Van Dongen (PI), Pete Roma (PI), Lauren Landon (PI).

Collaborative Scientist/Applied Mathematician, Centre for Sleep Research, School of Psychology, Social Work and Social Policy, University of South Australia, Adelaide, South Australia. Spring 2016 – present; Siobhan Banks (PI), Jillian Dorrian (PI).

Statistician/Co-Author, Appleton Institute, Central Queensland University, Adelaide, South Australia. Fall 2017 – present; Sally Ferguson (PI), Grace Vincent (Post-doctoral Fellow).

Collaborative Scientist/Applied Mathematician, Sleep and Performance Research Center, Washington State University, Spokane, WA. Spring 2015 – Spring 2018; Hans Van Dongen (PI).

## RESEARCH EXPERIENCE

### RESEARCH/PROJECTS: (Client/Industry Based)

Mathematical Comparison and Enhancement of Two Biomathematical Models of Sleep and Performance, Spring 2015 – March 2018; Steve Hursh (Chief Scientist/PI), Hans Van Dongen (PI), Lauren Waggoner (Co-PI/Applied Mathematician).

Optimization of SAFTE-FAST auto-sleep settings to field collected actigraphy, September 2013 – March 2018; Steven Hursh (Chief Scientist/PI), Lauren Waggoner (Co-PI/Applied Mathematician).

Cathay pacific sleep data harmonization, Fall 2015 – March 2018; Steve Hursh (Chief Scientist/Supervisor), Lauren Waggoner (Project Manager/Data Analyst).

Exploration of sleep/wake patterns, light exposure, and mood among post-partum women, Spring 2015 – present; Teresa Lillis (PI), Lauren Waggoner (Data Analyst/Applied Mathematician).

Federal Aviation Administration Alternative Means of Compliance for Relief from Rule 117 database development, Spring 2015 – March 2018; Steve Hursh (Chief Scientist/Supervisor), Lauren Waggoner (Project Manager/Data Analyst).

Federal Rail Administration Association Between Fatigue and Accident/Incident Prevalence Among Maintenance of Way Workers, Spring 2016 – March 2018; Steve Hursh (Chief Scientist/Project Manager), Lauren Waggoner (Mathematician/Statistician).

ASAGOL data analysis in aviation for regulations or hours of service rules, 2015 – March 2018; Steve Hursh (Chief Scientist/Supervisor), Lauren Waggoner (Project Manager/Data Analyst).

Development of a Comprehensive Fatigue Risk Management System for Washington Metropolitan Area Transit Authority September 2013 – March 2018; Steve Hursh (Chief Scientist/Supervisor), Francine James (Project Manager), Lauren Waggoner (Data Analyst/Mathematical Consultant and Modeler).

Development of a Biomathematical Toll to Support Evidence Based Fatigue Risk Management for Emergency Medical Services, Fall 2015 – March 2018; Steve Hursh (Chief Scientist/Supervisor), Francine James (Project Manager), Lauren Waggoner (Mathematician/Modeler).

Biomathematical modeling to estimate risk in randomized, double-blind, placebo-controlled, crossover on-road driving study assessing JZP-110 on driving performance in subjects with excessive sleepiness due to obstructive sleep apnea and narcolepsy: JAZZ Pharmaceuticals Phase 2 Clinical Trial, Fall 2015 – March 2018; Steve Hursh (Chief Scientist/Supervisor), Francine James (Project Manager), Lauren Waggoner (Mathematician/Modeler).

Australian Navy Watchstanding Schedules for Australian Maritime Safety Authority, Spring 2015; Steve Hursh (Chief Scientist/Supervisor), Lauren Waggoner (Project Manager/Data Analyst).

FRA Wizard Tool update, Fall 2014 – Spring 2015; Steve Hursh (Chief Scientist/Supervisor), Lauren Waggoner (Project Manager/Data Analyst).

Transportation Development Centre of Transport Canada, Strategies for Fatigue Risk Management: Napping and Restart Sleep in North American Commercial Motor Vehicle Drivers, September 2013 – June 2015; Steven Hursh (Project Manager), Francine James (Project-PI), Hans Van Dongen (Lead Statistician/Modeler), Gregory Belenky (Field Study Expert), Lauren Waggoner (Statistician/Modeler).

## POSTDOCTORAL RESEARCH:

*Effects of Alternative Watchstanding Schedules on US Sailors Sleep and Performance – USS BENFOLD*, July 2012 – August 2013; Nita Lewis Shattuck (PI), Lauren Waggoner (Postdoctoral Researcher).

*Effects of Alternative Watchstanding Schedules on US Sailors Sleep and Performance – USS JASON DUNHAM*, July 2012 – August 2013; Nita Lewis Shattuck (PI), Lauren Waggoner (Postdoctoral Researcher).

## CO-INVESTIGATOR (Dissertation Research):

*Pilot Study of the Effects of Fatigue Due to Night Shift Work on Police Performance*, October 2010 – February 2011; Bryan Vila (PI), Hans Van Dongen (Co-PI), Gregory Belenky (Physician of Record), Lauren Waggoner (Co-Investigator).

## GRADUATE RESEARCH ASSISTANT:

Office of Naval Research, *Impact of Work-Shift Related Fatigue on Deadly Force Judgment and Decision Making, Cognition, and Tactical Social Interaction Performance* (Project PI: Bryan Vila), March 2011 – July 2012.

Defense Advanced Research Projects Agency, *Empowering the Strategic Corporal: Training Young Warfighters to be Socially Adept with Strangers in Any Culture* (Project PI: Bryan Vila), 2011 – July 2012.

Office of Naval Research, *Impact of Work-Related Fatigue on Deadly Force Judgment and Decision Making Performance and Driving Performance Among Day vs. Night Sleeper* (Project PI: Bryan Vila), March 2011 – July 2012.

California Department of Justice Commission on Peace Officer Standards and Training, *Experimental Test of the Impact of Work-Related Fatigue on Police Officer Vehicle Collision Risk* (Project PI: Bryan Vila), February 2011 – July 2012.

National Institute of Justice/Sheriffs Association of Texas, *School Safety Police Technology Evaluation Research Contract* (Project PI: Bryan Vila), May 2009 – June 2011.

Defense Advanced Research Projects Agency (subcontract under Advanced Brain Monitoring), *Accelerating Realistic Deadly-Force Judgment and Decision Making Training – Phase II* (WSU – PI: Bryan Vila, Co-PIs: Hans Van Dongen, Gregory Belenky; ABM – PI: Chris Berka) February 2009 – 2011.

National Institute of Justice, *Developing a Common Metric for Evaluating Police Performance in Deadly Force Situations* (Project PI: Bryan Vila), 2008 – October 2011.

## RESEARCH ASSISTANT:

Federal Motor Carrier Safety Administration, *Duration of Restart Period Needed to Recycle with Optimal Performance* (Project PI: Hans Van Dongen, Co-PIs: Gregory Belenky, Bryan Vila), September 2008 – May 2009.

## HONORS & AWARDS

- June 2011 Meritorious Abstract Award Recipient, Sleep Research Society
- June 2011 First Time Trainee Travel Award Recipient, Sleep Research Society
- March 2010 Naval Research Enterprise Internship Recipient (NREIP), American Society of Engineering Education/Office of Naval Research (interned at the Naval Research Laboratory, Washington, DC)

## PUBLICATIONS

### PEER-REVIEWED PAPERS:

Vincent GE, Sargent C, Roach GD, Miller DJ, Kovac K, Scanlan A, **Waggoner LB**, Lastella M. Exercise Before Bed Does Not Impact Sleep Inertia in Young Healthy Males. *Journal of Sleep Research (in press)* [accepted 17 July 2019].

Banks S, Centofanti SA, Dorrian J, Landon LB, Roma PG, Van Dongen HPA, **Waggoner LB**. Effects of Fatigue on Teams and their Role in 24/7 Operations. *Sleep Medicine Reviews (in press)* [accepted 13 September 2019].

Lillis TA, **Waggoner LB**, Khou CS, Hamilton NA, Pressman SD. An Application of Shift Work Data Processing Methods in a Postpartum Maternal Sleep Sample. (*manuscript in preparation*).

Dorrian J, Hursh SR, **Waggoner LB**, Grant C, Pajcin M, Gupta C, Coates A, Kennaway D, Wittert G, Heilbronn L, Della Vedova C, Banks S. How Much is Left in Your "Sleep Tank"? Proof of Concept for a Simple Model from Sleep History Feedback. *Accident Analysis and Prevention*, 2018.

James FO, **Waggoner LB**, Weiss PM, Patterson D, Higgins S, Lang ES, Van Dongen, HPA. Does Implementation of Biomathematical Models Mitigate Fatigue and Fatigue-related Risks in Emergency Medical Services Operations? A Systematic Review. *Prehospital Emergency Care*, 2018; 22(S1): 69-80.

**Waggoner L**, Grant D, Van Dongen H, Belenky G, Vila BJ. A combined field and laboratory design for assessing the impact of night-shift work on police officer operational performance. *Sleep*, 2011; 35(11): 1575-1577.

## TECHNICAL REPORTS FOR INDUSTRY CLIENTS (not published in peer-reviewed/technical reports):

Waggoner LB, Hursh SR. *Re-run of SAFTE-FAST Modeling of Aviation Schedules: A Prospective Fatigue Risk Assessment to Aid in Hours of Service Rule Creation*. Prepared for ASAGOL Brazilian Aviation Board President Tulio Eduardo Rodrigues. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. April 2016.

Waggoner LB, James FO, Hursh SR. *Gulfstream: GAC Africa to United Kingdom Trip*. Prepared for Gulfstream. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. April 2016.

Waggoner LB, Hursh SR. *Cathay Pacific SAFTE-FAST Analysis: Jet Lag Tool Examples*. Prepared for Cathay Pacific Airlines. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. February 2016.

Waggoner LB, Hursh SR. *SAFTE-FAST Modeling of Aviation Schedules: A Prospective Fatigue Risk Assessment to Aid in Hours of Service Rule Creation*. Prepared for ASAGOL Brazilian Aviation Board President Tulio Eduardo Rodrigues. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. November 2015.

Waggoner LB, Hursh SR. *Australian Navy SAFTE-FAST Analysis: Application of a New Technique for Modeling Watchstanding Schedules*. Prepared for Australian Maritime Safety Authority Human Factors Section Head Dr. Michelle Grech. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. November 2015.

Waggoner LB, Hursh SR. *Canadian Navy Watchstanding SAFTE-FAST Modeling Analysis*. Prepared for Defence Research and Development Canada. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. October 2015.

Waggoner LB, Hursh SR. *Demonstration of a New Technique for Modeling Watchstanding Schedules*. Prepared for Australian Maritime Safety Authority Human Factors Section Head Dr. Michelle Grech. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. October 2015.

Waggoner LB, Hursh SR. *Analysis of PATH Schedules with SAFTE-FAST*. Prepared for Port Authority of New York and New Jersey. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. September 2015.

Waggoner LB, Hursh SR. *Gulfstream Demonstration of SAFTE-FAST Fatigue Analysis: Prospective Schedules Compared to Field Collected Actigraphy*. Prepared for Gulfstream. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. September 2015.

Waggoner LB, Hursh SR. *Gulfstream Demonstration of SAFTE-FAST Fatigue Analysis: Analysis of APS Schedules*. Prepared for Gulfstream. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. July 2015.

Waggoner LB, Hursh SR. *Gulfstream Demonstration of SAFTE-FAST Fatigue Analysis: An Initial Analysis of GS Schedule Data*. Prepared for Gulfstream. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. June 2015.

Waggoner LB, Hursh SR. *Australian Navy SAFTE-FAST Analysis*. Prepared for Australian Maritime Safety Authority Human Factors Section Head Dr. Michelle Grech. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. May 2015.

Alaska Railroads. *Analysis of Alaska Railroad Schedules in SAFTE-FAST*. Prepared for Alaska Railroad. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. April 2015.

Waggoner LB, Hursh SR. *Analysis of PATH Schedules with SAFTE-FAST*. Prepared for Port Authority of New York and New Jersey. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. January 2015.

Waggoner LB, Hursh SR. *A Fatigue Risk Assessment Using SAFTE-FAST Modeling of Sakhalin Energy Schedules*. Prepared for Sakhalin Energy Investment Company, Ltd Consultant Ron McLeod. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. July/August 2014.

Waggoner LB, Hursh SR. *Comparison of Historically Planned Schedules to Actually Flown Schedules*. Prepared for Regional Express Airlines. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. June 2014.

Waggoner LB, Blank R, Hursh SR. *Private Actigraphy Consultation: Individual Sleep and Performance Analysis*. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. February 2014.

Waggoner LB, Hursh SR. *SAFTE-FAST Fatigue Analysis of Aeromedical Operations*. Prepared for Regional Express Airlines. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. September 2013.

## TECHNICAL REPORTS:

Paul MA, Love RJ, **Waggoner LB**, Hursh SR, Miller JC. *An assessment of alternative 1-in-2 and 1-in-3 watch schedules on a RCN Patrol Frigate: Exercise Trident Fury*. Prepared for Defence Research and Development Canada (Report No. DRDC-RDDC-2016-R059). Prepared by Defence Research and Development Canada, Toronto Research Centre, Toronto, Ontario, Canada. April 2016.

James FO, Hursh SR, **Waggoner LB**, Roma PG, Van Dongen HPA, Belenky G, Welles R, de Repentigny L, de Repentigny M. *Strategies for Fatigue Risk Management: Napping and Restart Sleep in North American Commercial Motor Vehicle Drivers*. Prepared for Transportation Development Centre of Transport Canada (Project No. T8200-066506-001-MTB), Ottawa, Ontario, Canada. Prepared by Institutes of Behavior Resources Incorporated, Baltimore, MD. June 2015.

Vila BJ, James L, James SM, **Waggoner LB**. *Final Report: Developing a Common Metric for Evaluation Police Performance in Deadly Force Situations*. Prepared for National Institutes of Justice (Grant No. 2008-IJ-CX-0015). Prepared by Simulated Hazardous Operational Tasks Laboratory, Sleep and Performance Research Center, Washington State University, Spokane, Washington. August 2012.

Vila BJ, James L, **Waggoner LB**, James, S. *Active Shooter Training for Responding Officers (ASTRO) Software Technology Evaluation: Final Report*. Prepared for Sheriff's Association of Texas, Rural Law Enforcement Technology Center. Prepared by Simulated Hazardous Operational Tasks Laboratory, Sleep and Performance Research Center, Washington State University, Spokane, Washington. July 2011.

**Waggoner L**, Vila B. *Analysis of Washington State Patrol Training Academy Data on Simulator Adaption Syndrome (SAS) in Driver Training Simulators*. Prepared for Washington State Patrol Training Division. Prepared by Simulated Hazardous Operational Tasks Laboratory, Sleep and Performance Research Center, Washington State University, Spokane, Washington. June 2011.

## SCIENTIFIC PRESENTATIONS

### PEER-REVIEWED PRESENTATIONS:

Lillis TA, Khou CS, **Waggoner LB**, Hamilton NA, Pressman SD (June 2016). Patterning of Sleep Variability in New Mothers by Employment Status and Infant Feeding Method. Poster presented at the Sleep Research Society annual meeting "SLEEP", Denver, CO.

Lillis TA, **Waggoner LB**, Khou CS (March 2016). Light Exposure Patterns Across One Week in the Short-Term Postpartum: Difference by Maternal Employment and Weekdays versus Weekend Days. Poster presented at the Gordon Research Conference for Functions of Sleep in Body and Brain, Galveston, TX.

**Waggoner LB**, McCauley P, Van Dongen HPA, Hursh SR. (February 2015). Computational Model Comparison: A Path Toward Enhanced Model Development for the Prediction of Fatigue. Oral presentation presented at the Fatigue Modeling for Complex Environments Workshop, Oklahoma City, OK.

Shattuck NL, **Waggoner LB**, Young RL, Smith CS, Matsagas P. (June, 2014). Shiftwork Practices in the United States Navy: A Study of Sleep and Performance in Watchstanders aboard the USS Jason Dunham. Oral presentation presented at the Sleep Research Society annual meeting "SLEEP", Minneapolis, MN.

Shattuck NL, **Waggoner LB**, Young RL, Smith CS, Matsagas P. (November, 2013). Shiftwork Practices in the United States Navy: A Study of Sleep and Performance in Watchstanders aboard the USS Jason Dunham. Poster presented at the Working Time Society's 21<sup>st</sup> International Symposium on Shiftwork and Working Time, Brazil.

**Waggoner L**, Grant D, Van Dongen HPA, Belenky G, Vila B. (June, 2012). Effects on Deadly Force Decision Making of Police Officers Working Consecutive Night Shifts. Poster presented at the Sleep Research Society annual meeting "SLEEP", Boston, MA.

Grant D, Jackson ML, **Waggoner L**, Van Dongen HPA. (June, 2012). Subjective Symptoms During Acute Total Sleep Deprivation. Poster presented at the Sleep Research Society annual meeting "SLEEP", Boston, MA.

**Waggoner L**, Grant D, Van Dongen HPA, Belenky G, Vila B. (March, 2012). Effects on Deadly Force Decision Making of Police Officers Working Consecutive Night Shifts. Poster presented at the Academic Showcase, Washington State University, Pullman, WA.

Grant D, Jackson ML, **Waggoner L**, Van Dongen HPA. (March, 2012). Subjective Symptoms During Acute Total Sleep Deprivation. Poster presented at the Academic Showcase, Washington State University, Pullman, WA.

**Waggoner L**, Grant D, Van Dongen HPA, Belenky G, Vila B. (March, 2012). Effects on Deadly Force Decision Making of Police Officers Working Consecutive Night Shifts. Poster presented at Inland Northwest Research Symposium, Washington State University, Spokane, WA.

Grant D, Jackson ML, **Waggoner L**, Van Dongen HPA. (March, 2012). Subjective Symptoms During Acute Total Sleep Deprivation. Poster presented at Inland Northwest Research Symposium, Washington State University, Spokane, WA.

**Waggoner L.** Grant D, Van Dongen HPA, Belenky G, Vila B. (November, 2011). Effects of Consecutive Night Shift Work on Police Officer Performance. Oral presentation presented at the American Society of Criminology annual meeting, Washington, D.C.

**Waggoner L.** Grant D, Van Dongen HPA, Belenky G, Vila B. (June 2011). Effects of Consecutive Night Shift Work on Police Officer Performance. Poster presented at the Sleep Research Society annual meeting "SLEEP", Minneapolis, MN.

**Waggoner L.** Grant D, Van Dongen HPA, Belenky G, Vila B. (April 2011). Effects of Consecutive Night Shift Work on Police Officer Performance. Poster presented at the Inland Northwest Research Symposium, Washington State University, Spokane, WA.

**Waggoner L.** Grant D, Van Dongen HPA, Belenky G, Vila B. (March 2011). Effects of Consecutive Night Shift Work on Police Officer Performance. Poster presented at the Academic Showcase, Washington State University, Pullman, WA.

Willhaus JK, Adamson K, **Waggoner L.** (April 2010). Nursing and Criminal Justice: Lessons Learned During Deadly Force Simulations. Poster presented at the International Conference of Simulation and Gaming, Spokane, WA.

Willhaus JK, Adamson K, **Waggoner L.** (April 2010). Nursing and Criminal Justice: Lessons Learned During Deadly Force Simulations. Poster presented at the WIN conference, Phoenix, AZ.

**Waggoner L.** Vila B. (April, 2010). Measuring the Difficulty of Deadly Force Encounters. Poster presented at the Inland Northwest Research Symposium, Washington State University, Spokane, WA.

**Waggoner L.** Vila B. (November 2009). Interval-Level Metrics for Evaluating Deadly Force Judgment and Decision Making. Poster presented at the American Society of Criminology annual meeting, Philadelphia, PA.

## INVITED LECTURES

- 06|15 *Fatigue modeling in shift work: model development needs.* Symposium on New Findings in the Biology of Shift Work. Sleep and Performance Research Center, Washington State University; Spokane, Washington
- 05|11 *Effects of consecutive night shift work on police officer performance.* Naval Postgraduate School; Monterey, California

## TEACHING

- 2012 *Violence Against Women – CJ403* (Course Lecture), in class course for undergraduate and graduate students, Department of Criminal Justice and Criminology, Washington State University
- 2009 *Nature of Crime* (Instructor/Course Grader), online Distance Degree Program course for undergraduates, Department of Criminal Justice and Criminology, Washington State University

## PROFESSIONAL MEMBERSHIPS

- 2017 – present Working Time Society
- 2010 – present Sleep Research Society

2009-2011 American Society of Criminology

## COMMITTEE MEMBERSHIPS

9|15 - 9|18 Sleep Research Society Advocacy Task Force; Janet Mullington (Chair)

5|16 - 6| 2019 Sleep Research Society Scientific Offerings Committee, May 2016 - June 2019; Marcia Hall (Chair)

Planned/executed 1<sup>st</sup> ever Advances in Sleep and Circadian Science Conference held in Florida in 2019 and to held in the future every 2 years as part of Sleep Research Society's initiative to integrate sleep/circadian research.

## CONFERENCE/MEETING ATTENDEE

2019 International Symposium on Shift Work and Working Time

2019 Sleep Research Society SLEEP

2018 Advances in Sleep and Circadian Science (1<sup>st</sup> ever)

2018 Sleep Research Society SLEEP

2017 International Symposium on Shift Work and Working Time

2017 International Conference on Managing Fatigue

2016 Sleep Research Society SLEEP

2015 National Highway Transportation Safety Administration (DOT) Asleep at the Wheel: A Nation of Drowsy Drivers

2015 Sleep Research Society SLEEP

2015 Defence Research and Development Canada Fatigue Modeling in Complex Environments Workshop

2014 Sleep Research Society SLEEP

2012 Sleep Research Society SLEEP

2012 Defense Advanced Research Projects Agency Strategic Social Interaction Modules

2011 American Society of Criminology

2011 Sleep Research Society SLEEP

2010 National Institute of Justice

2009 American Society of Criminology