



31st Annual Meeting of the Associated Professional Sleep Societies, LLC (APSS)

A JOINT MEETING



Sleep
Research
Society®

REGISTER BY APRIL 21 TO SAVE!

Associated Professional Sleep Societies
2510 North Frontage Road
Darien, IL 60561



JUNE 3-7

SLEEP is the premier world forum to present and discuss the latest developments in clinical sleep medicine and sleep and circadian science.

The SLEEP meeting

- Provides evidence-based education to advance the science and clinical practice of sleep medicine
- Disseminates cutting-edge sleep and circadian research
- Promotes the translation of basic science into clinical practice
- Fosters the future of the field by providing career development opportunities at all levels

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APRIL 21, 2017
EARLY BIRD DEADLINE

GENERAL INFORMATION



Boston, Massachusetts

Headquarter Hotel:

Sheraton Boston Hotel

Meeting Location:

Hynes Convention Center



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Don't Forget

Register by April 21 to receive the early bird registration discount!



Look for this **ticket icon** throughout the preliminary program for ticketed sessions to supplement your SLEEP 2017 registration.

CE CREDITS

SLEEP 2017 offers a variety of continuing education credits, including: CME for physicians, CE for psychologists and letters of attendance. You can earn up to 38.25 AMA PRA Category 1 Credits™! More information can be found on page 34 or by visiting **sleepmeeting.org**.

CONTACT INFORMATION



Associated Professional Sleep Societies, LLC

2510 N. Frontage Road, Darien, IL 60561

Ph: (630) 737-9700 | Fax: (630) 737-9789

sleepmeeting.org

Housing

Visit **sleepmeeting.org** for more information on housing.

Course, Session and General Abstracts Questions

Laura Dimitrijevic, *Meeting Planner*

info@sleepmeeting.org

Exhibit Hall Questions

Becky Svientek, *Meeting Assistant*

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Group Block Housing Requests

Laura Dimitrijevic, *Meeting Planner*

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Registration Questions

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PROGRAM COMMITTEE



Glen Greenough, MD, Chair

Dartmouth-Hitchcock Medical Center

LEBANON, NH

Ravi Allada, MD

Northwestern University

EVANSTON, IL

Anne Germain, PhD

University of Pittsburgh

PITTSBURGH, PA

Robert Greene, MD, PhD

University of Texas Southwestern

Medical Center

DALLAS, TX

Shalini Paruthi, MD

St. Luke's Hospital

ST. LOUIS, MO

Kathleen Sarmiento, MD

VA San Diego Healthcare System

SAN DIEGO, CA

Frank Scheer, PhD

Brigham & Women's Hospital

BOSTON, MA

Christine Won, MD

Yale University

NEW HAVEN, CT

Jason Ong, PhD, Psychologist Reviewer

Northwestern University

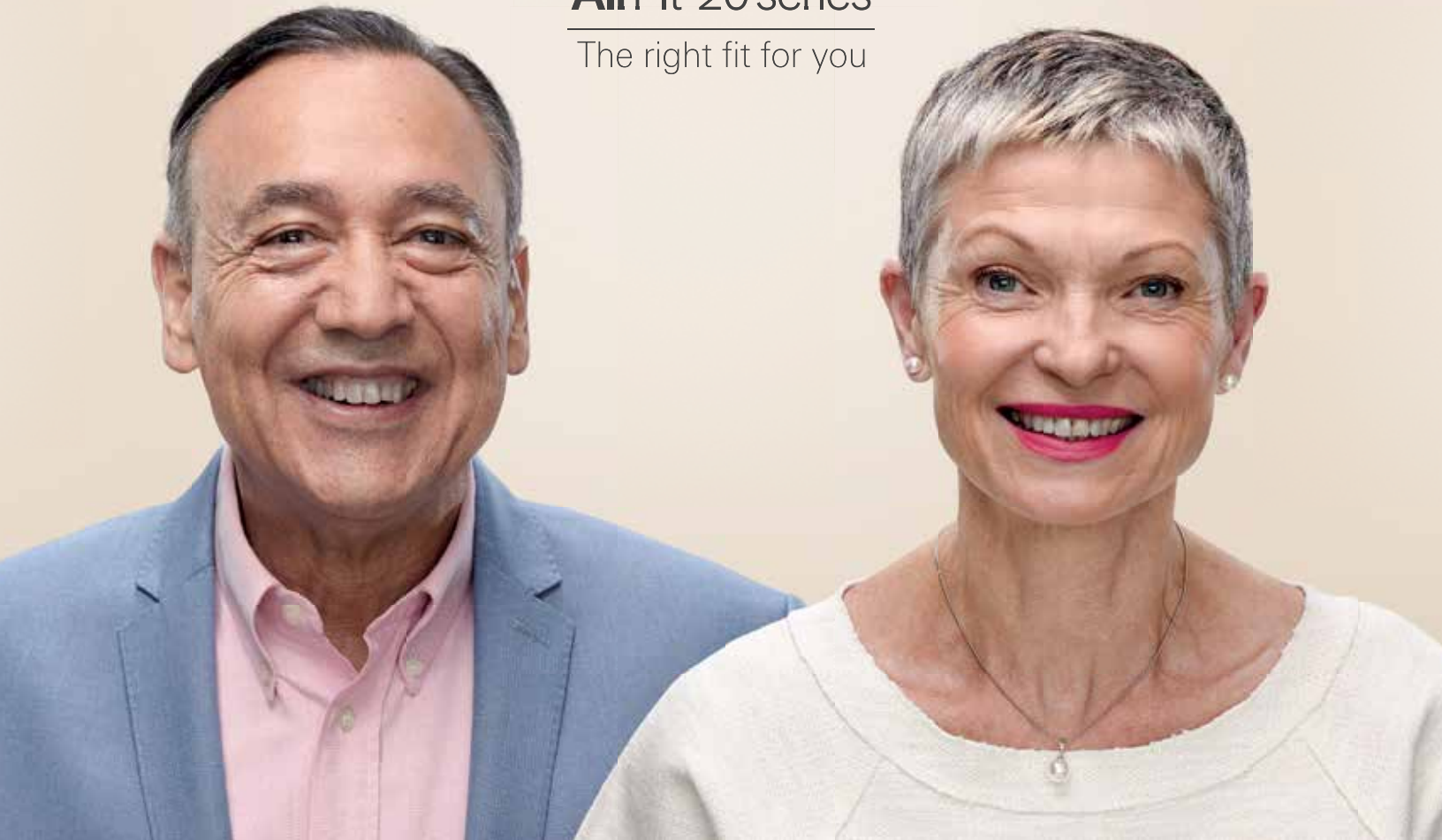
CHICAGO, IL

Jerome Barrett, Executive Director

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ResMed

1 ResMed AirFit F20 internal Australian fitting study of existing CPAP patients conducted between March–April 2016. 2 ResMed AirFit F20 internal USA fitting study of existing CPAP patients conducted April 2016. 3 ResMed AirFit F20 internal EU and APAC fitting study of existing CPAP patients conducted June 2016. 4 ResMed AirFit N20 internal international fitting study of new and existing CPAP patients, conducted Nov 2015. © 2017 ResMed Ltd. 2017-01

SCHEDULE AT A GLANCE

SESSION	DESCRIPTION
 C Postgraduate Courses	Intensive reviews of topics presented in a half-day or full-day session format prior to the scientific program.
B Bench-to-Bedside Integrated Sessions	Two-hour sessions focusing on the latest advances in translational science and clinical applications on a specific topic.
D Discussion Groups	Forums for informal presentations of a specific topic, which may include conversations on controversial subjects or pro/con discussions and presentations.
E Conversations with Experts	Small-group lunch sessions during which invited lecturers lead an informal discussion on a single topic. <i>Lunch is not provided.</i>
F Rapid-Fire Symposia	Fast-paced, two-hour sessions led by junior-level investigators/clinicians focusing on the latest data and ideas in the field.
I Invited Lectures	One-hour lectures during which senior-level investigators/clinicians present in their areas of expertise.
 L Lunch Debates	Large-group lunch sessions during which two experts in the field debate on a single topic. <i>Lunch is provided.</i>
 M Meet the Professors	Small-group lunch sessions during which an expert in the field leads an informal discussion on a single topic. <i>Lunch is provided.</i>
O Oral Presentations	15-minute presentations during which investigators present their latest research and new ideas in the field.
P Poster Presentations	Visual representations of the latest research and new ideas in the field.
R Brown Bag Report Sessions	Review of challenging cases by an expert panel. <i>Lunch is not provided.</i>
S Symposia	Two-hour sessions focusing on the latest data and ideas in the field.
W Clinical Workshops	Reviews of patient-related and business-related aspects of sleep centers. Workshops address difficult clinical situations, business challenges and trends that clinicians experience in their daily practices.

CLINICAL &
TRANSLATIONAL RESEARCH

CLINICAL PRACTICE

BASIC RESEARCH

HUMAN RESEARCH



Ticketed Events

Tickets required to attend



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Only children 12 or older are permitted in the exhibit hall, poster sessions and in session rooms. No strollers are permitted in the exhibit hall, poster sessions or session rooms.

SCHEDULE

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REGISTRATION OPEN – 6:30AM-5:30PM

8:00AM - 5:00PM		FULL-DAY POSTGRADUATE COURSES
 C01	Year in Review 2017	Ravi Allada, MD, PhD, <i>Co-Chair</i> Christine Won, MD, <i>Co-Chair</i> Anthony Doufas, MD, PhD Eric Kezirian, MD Andrew Krystal, MD Vahid Mohsenin, MD Babak Mokhlesi, MD Eric Musiek, MD, PhD David Raizen, MD, PhD Fred Turek, PhD
 C02	Trends in Sleep Medicine	Katherine Sarmiento, MD, <i>Co-Chair</i> Shalini Paruthi, MD, <i>Co-Chair</i> Fariha Abbasi-Feinberg, MD Nancy Collop, MD B. Gail Demko, DMD Andrew Krystal, MD Reena Mehra, MD Mark Rosekind, PhD Lynn Marie Trotti, MD
 C03	Precision Sleep Medicine: Predictive, Preventive, Personalized and Participatory	Philip Gehrman, PhD, <i>Chair</i> Kelly Baron, PhD Matt Bianchi, MD, PhD Julio Fernandez-Mendoza, PhD, CBSM Clete Kushida, MD, PhD, RST, RPSGT Emmanuel Mignot, MD, PhD Allan Pack, MBChB, PhD Manuel Sanchez de la Torre, PhD
8:00AM - 12:00PM		HALF-DAY POSTGRADUATE COURSES
 C04	Difficult Cases That Keep You Up at Night: Case-Based Review of Challenging Clinical Scenarios for the Sleep Medicine Specialist	Raman Malhotra, MD, <i>Chair</i> Douglas Kirsch, MD Timothy Morgenthaler, MD David Plante, MD
 C05	Hang Ten on These Waves: EEG Essentials for the Sleep Practitioner	Bradley Vaughn, MD, <i>Chair</i> Selim Benbadis, MD Mithri Junna, MD Erik St. Louis, MD
12:00PM - 1:00PM		LUNCH BREAK
1:00PM - 5:00PM		HALF-DAY POSTGRADUATE COURSES
 C06	Treatment Advancements for Sleep Disordered Breathing	Karin Johnson, MD, <i>Chair</i> Melanie Pogach, MD Bernardo Selim, MD Ryan Soose, MD
 C07	Managing and Treating Sleep and Sleepiness in Workplace Settings	Devon Grant, MD, <i>Chair</i> Thomas Balkin, PhD Francine James, PhD Charles Samuels, MD

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8:00AM - 5:00PM		FULL-DAY POSTGRADUATE COURSES	
 C08	2017 State of the Art for Clinical Practitioners	Glen Greenough, MD, <i>Co-Chair</i> Shalini Paruthi, MD, <i>Co-Chair</i> Alon Avidan, MD Nancy Collop, MD Shahrokh Javaheri, MD Raman Malhotra, MD Kiran Maski, MD Michael Sateia, MD Lisa Wolfe, MD John Winkelman, MD, PhD	
 C09	Behavioral Sleep Medicine: Evidence- and Case-Based Treatment of Special Populations	James Wyatt, PhD, <i>Co-Chair</i> Jack Edinger, PhD, <i>Co-Chair</i> Mark Aloia, PhD J. Todd Arnedt, PhD Anne Germain, PhD Jennifer Martin, PhD Lisa Meltzer, PhD Michael Smith, PhD	
 C10	Adolescent Sleep Medicine: State of the Art 2017	Madeleine Grigg-Damberger, MD, <i>Co-Chair</i> Sanjeev Kothare, MD, <i>Co-Chair</i> Anna Ivanenko, MD, PhD Umakanth Khatwa, MD Suresh Kotagal, MBBS Anne Marie Morse, DO Carol Rosen, MD Matthew Troester, DO	
8:00AM - 12:00PM		HALF-DAY POSTGRADUATE COURSES	
 C11	Evolving Your Sleep Practice to Meet the Needs of an Ever Changing Healthcare World	Neil Freedman, MD, <i>Chair</i> Amy Aronsky, DO Conrad Iber, MD Timothy Morgenthaler, MD	
 C12	Sleep Disturbances and Cancer: An Emerging Relationship	Isaac Almendros, PhD, <i>Chair</i> Sonia Ancoli-Israel, PhD Javier Nieto, MD, PhD Eva Schernhammer, MD	
12:00PM - 1:00PM		LUNCH BREAK	
1:00PM - 5:00PM		HALF-DAY POSTGRADUATE COURSES	
 C13	The Holy Grail of Clinical Sleep Medicine: Measuring and Reporting Meaningful Outcomes	Daniel Lewin, PhD <i>Chair</i> Dean Beebe, PhD Vincent Capaldi, MD Anne Germain, PhD	
 C14	Restless Legs Syndrome (RLS) Treatment Advances in the Post-Mainly-Dopamine Era: Augmentation, Alpha-2-Delta Agents, Opioids, Iron, Pediatric Care and those Intractable Cases	Richard Allen, PhD, <i>Chair</i> Christopher Earley, PhD Diego Garcia-Borreguero, MD, PhD Daniel Picchietti, MD	
1:00PM - 3:00PM		GENERAL SESSIONS	
O01	Circadian Rhythms, Activity, and Sleep Assessment		
S01	Innovative Applications of in vivo Molecular Neuroimaging for Sleep Research in Humans	Bryce Mander, PhD, <i>Chair</i> David Elmenhorst, MD Dante Picchioni, PhD Dardo Tomasi, PhD	
S02	Role of Fast Neurotransmitters in Sleep-Wake Regulation	Clifford Saper, MD, PhD, <i>Chair</i> Antoine Adamantidis, PhD Nigel Pedersen, MD Anne Venner, PhD Franz Weber	
3:00PM - 3:15PM		REFRESHMENT BREAK	

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3:15PM - 5:15PM

GENERAL SESSIONS

O02 Sleep Rehabilitation, Arousability, and Hypnotics

S03 Using Big Data Approaches to Elucidate the Genetic Basis of Normal and Disordered Sleep

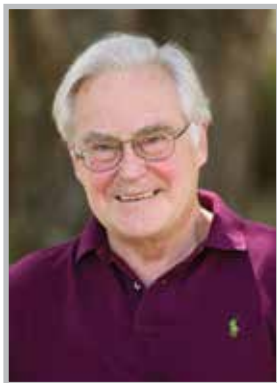
Richa Saxena, PhD, *Chair* | Brian Cade, PhD |
Emmanuel Mignot, MD, PhD | Shaun Purcell, PhD |
Martin Rutter, MD

S04 Sleep Circuits Visualized with New Genetically Engineered Tools

Priyattam Shiromani, PhD, *Chair* | Shinjae Chung, PhD |
Dmitry Gerashchenko, MD, PhD | Barbara Jones, PhD |
Ronald Szymusiak, PhD

5:00PM - 7:00PM

POSTER PRESENTATIONS



PLENARY SESSION KEYNOTE LECTURE

MONDAY, JUNE 5, 2017 AT 8:15 AM

Interactions between Sleep and Circadian Rhythms in Health and Disease

H. Craig Heller, PhD | Professor of Biology, Stanford University

Professor Heller's research interests are focused upon the neurobiology of sleep, circadian rhythms, regulation of body temperature, mammalian hibernation, and human exercise physiology.

FACULTY DEVELOPMENT WORKSHOPS

NEW AT THE SLEEP MEETING

Three, one-hour sessions will focus on providing professional development for educators. Presenters will review tips for giving feedback, strategies for managing learners in need and best practices for teaching millennials.

Full session details will be available in the SLEEP 2017 Mobile App and Final Program.

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REGISTRATION OPEN – 6:30AM-5:30PM

8:15AM - 10:00AM		PLENARY SESSION AND KEYNOTE ADDRESS
I01	Interactions Between Sleep and Circadian Rhythms in Health and Disease	H. Craig Heller, PhD
10:00AM - 10:30AM		REFRESHMENT BREAK
10:00AM - 4:00PM		EXHIBIT HALL OPEN
10:30AM - 12:30PM		GENERAL SESSIONS
O03	Pediatric Sleep: Actigraphs to ZZZs	
O04	Effect of Sleep Disturbances on Mood, Cognition, and Athletic Performance	
O05	Functional Circuitry of CNS State	
S05	Transforming Obstructive Sleep Apnea Care: Delivering High Value and Quality Care	Sanjay Patel, MD, <i>Chair</i> Suzanne Bertisch, MD Clete Kushida, MD, PhD, RST, RPSGT Sarah Morsbach Honaker, PhD Sairam Parthasarathy, MD
S06	Cardiometabolic Risk In Chronic Insomnia	Eve Van Cauter, PhD, <i>Chair</i> Jason Carter, PhD Julio Fernandez-Mendoza, PhD, CBSM Daniela Grimaldi, MD, PhD Kristen Knutson, PhD
S07	Why Rocking Around the Clock Might Not be Good for Your Health	Kathryn Reid, PhD, <i>Chair</i> Alec Davidson, PhD Tami Martino, PhD Eva Schernhammer, MD
S08	TAAR1: A Negative Regulator of Dopamine Release and a Novel Target for Sleep/Wake Medications	Thomas Kilduff, PhD, <i>Chair</i> David Grandy, PhD Michael Schwartz, PhD Juliane Winkelmann, MD
W01	Oral and Intravenous Iron Treatment of Restless Legs Syndrome in Adults and Children: Why, When, and How	Daniel Picchietti, MD, <i>Chair</i> Richard Allen, PhD Michael Auerbach, MD Christopher Earley, PhD, MBBCh Suresh Kotagal, MBBS John Winkelman, MD, PhD
12:30PM - 1:45PM		LUNCH BREAK
LUNCH SESSIONS		
 L01	The Synaptic Basis of Sleep Function: SHY vs Synaptic Enhancement of Sleep	Chiara Cirelli, MD, PhD Ted Abel, PhD
 M01	Clinical Practice Guidelines for the Pharmacologic Treatment of Chronic Insomnia in Adults	Michael Sateia, MD
 M02	Sleep Forensics and Criminology	Clete Kushida, MD, PhD, RST, RPSGT
 M03	Surgical Evaluation and Treatment of Obstructive Sleep Apnea	Eric Kezirian, MD, MPH
 M04	The ABC's of MACRA	Fariha Abbasi-Feinberg, MD
 M05	Translating Circadian Biology into Health and Disease: Role of Chronotherapy	Phyllis Zee, MD, PhD

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E01	Thomas Kilduff, PhD	
E02	Judith Owens, MD	
E03	Honorable Mark R. Rosekind, PhD	
12:30PM - 1:45PM		AASM GENERAL MEMBERSHIP MEETING
12:45PM - 1:45PM		LBA: LATE-BREAKING ABSTRACTS
1:45PM - 2:45PM		GENERAL SESSIONS
I02	Pre-Operative Screening for Sleep Apnea and CPAP Treatment: Is This Evidence-Based?	Frances Chung, MD
I03	Sleep, Wake and the Self-Tuning Brain	Gina Turrigiano, PhD
O06	Hypersomnia: Prevalence and MRI Findings	
O07	Caution! Systemic Effects of Sleep-Disordered Breathing	
O08	Insomnia with Objective Short Sleep: Methodological Issues and Clinical Consequences	
O09	Human Genetics of Sleep Disorders	
2:45PM - 3:00PM		REFRESHMENT BREAK
3:00PM - 5:00PM		GENERAL SESSIONS
D01	Update on Sleep/Circadian Research Activities from NIH	Allan Pack, MBChB, PhD, <i>Chair</i> Marjorie Garvey, MBBCh Janet He, PhD Todd Horowitz, PhD Miroslaw Mackiewicz, PhD Karen Teff, PhD Michael Twery, PhD
F01	Innovative Interventions Targeting the Intersection of Sleep and Mental Health Disorders	Nicholas Allen, PhD, <i>Chair</i> Michael Dolsen Christin Lang, PhD Melissa Latham Annemarie Luik, PhD Emily Ricketts, PhD Alec Smidt
S09	Sleep Homeostasis and Synaptic Plasticity	Chiara Cirelli, MD, <i>Chair</i> Graham Diering, PhD Robert Greene, MD PhD Guang Yang, PhD
O10	ABCs of Pediatric Sleep: Apneas, Babies and Chronotypes	
S10	Circadian Rhythms, Sleep and Cancer	David White, MD, <i>Chair</i> Pasquale Innominato, PhD Shantha Rajaratnam, PhD Josee Savard, PhD David Spiegel, MD
S11	Sleep Deficiency, Cognition and Emotion	Hans Van Dongen, PhD, <i>Chair</i> Michael Chee, MBBS Hans-Peter Landolt, PhD Eus Van Someren, PhD
W02	Sleep and Cardiovascular Health	Tomasz Kuzniar, MD, PhD, <i>Chair</i> Devin Brown, MD Naresh Punjabi, MD Virend Somers, MD
W03	Scoring Manual Update and Inter-scorer Reliability Program and Examples	Richard Berry, MD, <i>Chair</i> Rita Brooks, RST, RPSGT Susan Harding, MD Mark McCarthy, MD Scott Williams, MD Michael Zachek, MD
5:00PM - 7:00PM		POSTER PRESENTATIONS

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REGISTRATION OPEN – 7:30AM-5:00PM

8:00AM - 9:00AM		GENERAL SESSIONS
I04	Individual Susceptibility to Sleep Apnea: Influences of Genomics and the Environment	Susan Redline, MD  THOMAS ROTH LECTURE OF EXCELLENCE
8:00AM - 10:00AM		GENERAL SESSIONS
S12	Sleep and Circadian Rhythm Dysfunction in the Postoperative and Critical Care Environment	Matthew Maas, MD, <i>Chair</i> Robert Owens, MD Sairam Parthasarathy, MD Margaret Pisani, MD
O11	New Developments in Insomnia Treatments: Treatment and Mechanisms	
S13	Trauma Associated Sleep Disturbances: The Intersection of Traumatic Brain Injury and Post Traumatic Stress Disorder	Miranda Lim, MD, PhD, <i>Chair</i> Jessica Gill, PhD, RN Vincent Mysliwiec, MD Gina Poe, PhD
S14	Gut Health and Circadian Misalignment	Kenneth Wright, PhD, <i>Chair</i> Embriette Hyde, PhD Melinda Jackson, PhD Satchin Panda, PhD Amy Reynolds, PhD
S15	Sleep, Cytokines and Fatigue	David Raizen, MD, PhD, <i>Chair</i> Joe Breen, PhD Mary Harrington, PhD Hans Knoop, PhD Janet Mullington, PhD Vicky Whittemore, PhD
S16	Sleep Ontogeny Across Phylogeny: Examining the Role of Sleep During Development Using Model Systems	Ted Abel, PhD, <i>Chair</i> David Biron, PhD Mark Blumberg, PhD Matthew Kayser, MD, PhD Miranda Lim, MD, PhD
W04	Beyond the Basics: Complex Cases and Comorbidities in Pediatric Sleep Medicine	Judith Owens, MD, <i>Chair</i> Oliviero Bruni, MD Leila Kheirandish-Goza, MD Rosalia Silvestri, MD
9:05AM - 10:05AM		GENERAL SESSIONS
I05	Enhancing Transportation Safety: The Need for Better Sleep	Honorable Mark R. Rosekind, PhD
10:00AM - 10:20AM		REFRESHMENT BREAK
10:00AM - 4:00PM		EXHIBIT HALL OPEN
10:20AM - 11:20AM		GENERAL SESSIONS
I06	Circadian Genes, Rhythms and the Biology of Psychiatric Disorders	Colleen McClung, PhD
10:20AM - 12:20PM		GENERAL SESSIONS
D02	Diversity Matters: How Increasing the Involvement of Under-represented Minorities and Women in Sleep Research Can Enhance our Science	Katherine Sharkey, MD, PhD, <i>Chair</i> Chandra Jackson, PhD Girardin Jean-Louis, PhD
O12	Neurological Disease and Sleep	
O13	The Interplay Between Sleep and Development	

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O14	Consequences and Management of Sleep/Circadian Challenges	
S17	Sleep and the Immune System: Novel Insights and Clinical Implications	Tiffany Braley, MD, <i>Chair</i> Michael Irwin, MD Tanja Lange, MD Janet Mullington, PhD Aric Prather, PhD
S18	Mild-to-Moderate Obstructive Sleep Apnea: Highly Prevalent, But of What Impact?	Edward Bixler, PhD, <i>Chair</i> Thorarinn Gislason, PhD Paul Peppard, PhD Naresh Punjabi, MD Alexandros Vgontzas, MD
W05	Telemedicine Update: Sleep Beyond the Comfort Zone	Jaspal Singh, MD, <i>Chair</i> Barry Fields, MD Seema Khosla, MD Afifa Shamim-Uzzaman, MBBS, MD
11:25AM - 12:25PM		GENERAL SESSIONS
I07	Identifying Novel Sleep/Wake Targets: Hypocretin/Orexin, Cortical nNOS Neurons, and TAAR1	Thomas Kilduff, PhD
12:20PM - 1:30PM		LUNCH BREAK
LUNCH SESSIONS		
 L02	Sleep Need: What is it and Can it be Quantified?	Paul Shaw, PhD Ronald Szymusiak, PhD
 M06	Nightmare Disorder: When Patients are Scared to Sleep at Night	Anoop Karippot, MD, RPSGT
 M07	Clinical Practice Guidelines for the Diagnostic Testing of OSA in Adults	Vishesh Kapur, MD
 M08	Implementing Healthy School Start Times: Educating and Engaging Community Stakeholders	Judith Owens, MD
 M09	Increasing the Availability of Sleep Therapy to More Patients	Rachel Manber, PhD
 M10	Improving Cardiovascular and Metabolic Outcomes with Insomnia Therapy	Nancy Redeker, PhD, RN
E04	Frances Chung, MD	
E05	Colleen McClung, PhD	
E06	Gina Turrigiano, PhD	
R01	Brown Bag Report: Challenging Cases	
12:20PM - 1:30PM		SRS GENERAL MEMBERSHIP MEETING

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1:30PM - 2:30PM		GENERAL SESSIONS
I08	Traumatic Brain Injury Induces Sleep: A Diagnostic or Therapeutic Biomarker?	Jonathan Lifshitz, PhD
I09	Tinkering with Sleep: Enhancing Brain Rhythms, Enhancing Sleep Physiology, Enhancing Memory	Ken Paller, PhD
O15	Down the Hatch! Pharmacologic Interventions for OSA	
O16	Sleep-Related Movement Disorders and Parasomnias	
O17	Healthcare Delivery	
O18	Genetics and Genomics of Sleep and Circadian Rhythms	
2:30PM - 2:45PM		REFRESHMENT BREAK
2:45PM - 4:45PM		GENERAL SESSIONS
D03	Value-Based Sleep: Crucial Conversations to Define, Demonstrate, and Maximize Our Value	Emerson Wickwire, PhD, <i>Chair</i> Nancy Collop, MD Liesl Cooper, PhD, MBA Christopher Lettieri, MD Dominic Munafo, MD Sairam Parthasarathy, MD Steven Scharf, MD, PhD Tilak Verma, MD
O19	Stim Me! The Upper Airway and HNS	
O20	PTSD, Other Psychiatric Disorders, and Sleep	
S19	Human Circadian Rhythms: Big Data Methods and Lessons for the Individual and Population	John Hogenesch, PhD, <i>Chair</i> Ron Anafi, MD, PhD Rosemary Braun, PhD, MPH Daniel Forger, PhD Ryan Logan, PhD
S20	Boosting Slow Wave Sleep and Improving Cognitive Outcomes Across the Life Span	Clare Anderson, PhD, <i>Chair</i> Amiya Patanaik, PhD Derk Jan Dijk, PhD Phyllis Zee, MD, PhD
S21	Dopaminergic Control of Sleep and Wakefulness	Luis de Lecea, PhD, <i>Chair</i> Jeffrey Donlea, PhD Ada Eban-Rothschild, PhD Viviana Gradinaru, PhD Ken Solt, MD
W06	Preparing for Sleep Medicine Recertification	Teofilo Lee-Chiong, MD, <i>Chair</i> Neil Freedman, MD
W07	Parasomnia: Diagnostic Challenges and How to Overcome Them	Milena Pavlova, MD, <i>Chair</i> Yves Dauvilliers, MD, PhD Erik St. Louis, MD Rosalia Silvestri, MD
5:00PM - 7:00PM		POSTER PRESENTATIONS

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8:00AM - 10:00AM		GENERAL SESSIONS
S22	Recent Advances in the Pathophysiology of RBD and REM Sleep: Hints for Treatment?	Raffaele Ferri, MD, <i>Chair</i> Dario Arnaldi, MD, PhD Poul Jennum, MD, PhD John Peever, PhD
O21	Sleep Changes with Aging and Their Impact on Mortality	
S23	Upper Airway Stimulation Therapy for Obstructive Sleep Apnea: Theoretical Considerations, Clinical Evidence, and Implementation Strategies	Karl Doghramji, MD, <i>Chair</i> Maurits Boon, MD Clemens Heiser, MD Kingman Strohl, MD
S24	Drowsy Driving	Kimberly Honn, PhD, <i>Chair</i> J. Stephen Higgins, PhD Mark Howard, MD Brian Tefft
S25	Sleep, Clocks and Brain Plasticity Across the Lifespan	Marcos Frank, PhD, <i>Chair</i> Takao Hensch, PhD Daniel Margoliash, PhD Amita Sehgal, PhD
W08	Challenges in Diagnosis and Management of Pediatric Narcolepsy	Kiran Maski, MD, <i>Chair</i> Anna Ivanenko, MD, PhD Judith Owens, MD Vidhu Thaker, MD Eric Zhou, PhD
10:00AM - 10:20AM		REFRESHMENT BREAK
10:00AM - 1:30PM		EXHIBIT HALL OPEN
10:20AM - 12:20PM		GENERAL SESSIONS
F02	Metabolic Dysregulation During Sleep and Circadian Disruption: Methods, Mechanisms and Countermeasures	Christopher Depner, PhD, <i>Chair</i> Josiane Broussard, PhD Amandine Chaix, PhD Jun Yoshino, MD, PhD
O22	Of Heart and Mind: Impact of Sleep-Disordered Breathing	
O23	How Short Sleep Time and Altered Sleep Schedules Interface with Cancer, Pain and Cardiometabolic Disease	
S26	Sleep and Cognition: Recommendations from the Global Council on Brain Health, An AARP Collaborative	Eus Van Someren, PhD, <i>Chair</i> Donald Bliwise, PhD Julie Carrier, PhD Charles Czeisler, MD, PhD
S27	Translational Neuroscience: EEG Biomarkers in Preclinical Models of Neurological and Neuropsychiatric Disorders	Stephen Morairty, PhD, <i>Chair</i> Cecilia Diniz Behn, PhD Alexia Thomas, PhD Jonathan Wisor, PhD
W09	Sleep Apnea Surgery 2017	Edward Weaver, MD, <i>Chair</i> Raj Dedhia, MD Jennifer Hsia, MD Derek Lam, MD Jonathan Skirko, MD
12:20PM - 1:30PM		LUNCH BREAK

SAT
June 03

SUN
June 04

MON
June 05

TUE
June 06

WED
June 07

LUNCH SESSIONS		
 L03	Is Sleep Testing Needed When Straightforward OSA is Suspected?	Charles Atwood, MD Samuel Kuna, MD
 M11	Obesity Hypoventilation Syndrome: Evaluation and Treatment	Babak Mokhlesi, MD
 M12	Leaning In: Promoting and Sponsoring Opportunities for Women in Sleep Medicine	Susan Redline, MD
 M13	Challenging Cases in Pediatric Sleep Medicine	Lourdes Del Rosso, MD
 M14	Developing a Sleep Curriculum for Pulmonary Fellows	Lawrence Epstein, MD
 M15	Overview of Accreditation Standards	James Rowley, MD
E07	Jonathan Lifshitz, PhD	
E08	Ken Paller, PhD	
1:30PM - 2:30PM		GENERAL SESSIONS
I10	The Janus Effect: Looking Back and Moving Forward in Pediatric Sleep Medicine	Judith Owens, MD
O24	Sleep and Mood Disorders	
O25	PAP Power! Strategies to Increase Adherence	
O26	Circadian Rhythms, Shiftwork and Health	
O27	Sleep, Neurodegeneration and Aging	
S28	Spaceflight Effects on Sleep and Performance	
2:30PM - 2:45PM		REFRESHMENT BREAK
2:45PM - 4:45PM		GENERAL SESSIONS
O28	PAP Power! Outcomes of Treatment	
O29	Hypersomnia Treatment/Technology and Innovation in Sleep Diagnostics	
O30	Learning, Memory and Cognition	
S29	Cardiovascular Benefits of OSA Therapy: Does Treatment Modality Matter?	Raj Dedhia, MD, <i>Chair</i> Fernanda Almeida, DDS, PhD Sanjay Patel, MD Patrick Strollo Jr., MD
S30	Sleep, Hormones and Pregnancy	Ghada Bourjeily, MD, <i>Chair</i> Mauro Manconi, MD, PhD Michele Okun, PhD Christine Won, MD
S31	In Search of Biomarkers for Sleep and Circadian Disruption	Derk-Jan Dijk, PhD, <i>Chair</i> John Hogenesch, PhD Jake Hughey, PhD Carla Moller-Levet, PhD Kenneth Wright Jr., PhD

SLEEP 2017

JOIN THE AASM OR SRS TODAY!



NOT AN AASM OR SRS MEMBER YET?

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Members save up to \$225 on registration, so there is no better time to join or renew your membership. Take advantage of membership rates and continued savings on journals, learning modules and more!



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American Academy of Sleep Medicine

JOIN TODAY AT
aasmnet.org/join2017

*Student discount differs, see website for details. Preregistration offer ends 04/21/2017 for regular members.



How do you sleep?

**See how your sleep
compares to others**

Visit the Merck Booth



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INVITED LECTURERS

SLEEP 2017 offers one-hour lectures in which senior-level investigators/clinicians present in their areas of expertise.

Frances Chung, MD

Professor, University of Toronto, Toronto Western Hospital,
University Health Network



Pre-Operative Screening for Sleep Apnea and CPAP Treatment: Is this Evidence-Based?

Monday, June 5 at 1:45pm

Dr. Chung's research interests are in several areas: sleep apnea, patient safety, pain, monitoring, perioperative medicine, and ambulatory anesthesia.

Thomas Kilduff, PhD

Director, Center for Neuroscience at SRI International



Identifying Novel Sleep/Wake Targets: Hypocretin/Orexin, Cortical nNOS Neurons and TAAR1

Tuesday, June 6 at 11:25am

Dr. Kilduff's research group has identified a cortical interneuron population that is activated during sleep in proportion to homeostatic sleep drive and also focuses on therapeutic development for insomnia and narcolepsy.

Jonathan Lifshitz, PhD

Director, Translational Neurotrauma Research Program at Phoenix Children's Hospital, Department of Child Health at the University of Arizona, College of Medicine – Phoenix, and Phoenix Veterans Affairs Health Care System



Traumatic Brain Injury Induces Sleep: A Diagnostic or Therapeutic Biomarker?

Tuesday, June 6 at 1:30pm

Dr. Lifshitz's research questions primarily investigate traumatic brain injury, among other acute neurological injuries, as a series of events that dismantle circuits in the brain and in response repair those injured circuits.

Colleen McClung, PhD

Associate Professor, University of Pittsburgh Medical School



Circadian Genes, Rhythms and the Biology of Psychiatric Disorders

Tuesday, June 6 at 10:20am

Dr. McClung's work focuses on the molecular biology of psychiatric and addictive disorders with a focus on the role of circadian genes in these disorders.

Judith Owens, MD

Director of Sleep Medicine, Boston Children's Hospital, Faculty, Harvard Medical School



The Janus Effect: Looking Back and Moving Forward in Pediatric Sleep Medicine

Wednesday, June 7 at 1:30pm

Dr. Owens' research interests are in the neurobehavioral and health consequences of sleep problems in children and adolescents, sleep health education, and cultural and psychosocial issues impacting on sleep.

Ken Paller, PhD

Cognitive Neuroscientist, Northwestern University



Tinkering with Sleep: Enhancing Brain Rhythms, Enhancing Sleep Physiology, Enhancing Memory

Tuesday, June 6 at 1:30pm

Dr. Paller's recent studies have concerned sleep's role in memory and memory dysfunction, sensory processing during sleep to reinforce prior learning, the neural substrates of conscious memory experiences, and the juxtaposition of those memory experiences with various ways in which memory can influence our behavior in the absence of awareness of memory retrieval.

Honorable Mark R. Rosekind, PhD

Former NHTSA Administrator, NTSB Member, NASA Scientist



Enhancing Transportation Safety: The Need for Better Sleep

Tuesday, June 6 at 9:05am

Dr. Mark Rosekind is a dynamic leader dedicated to enhancing safety and health through public service, as a NASA scientist, in business, and academia. Twice nominated by President Obama and confirmed by the US Senate, he recently served as the 15th Administrator of NHTSA after serving as the 40th Member of the NTSB.

Gina Turrigiano, PhD

Professor, Volen Center for Complex Systems, and the Center for Behavioral Genomics, Brandeis University



Sleep, Wake and the Self-Tuning Brain

Monday, June 5 at 1:45pm

Dr. Turrigiano's research focuses on homeostatic mechanisms that stabilize neural circuit function.



THOMAS ROTH LECTURE OF EXCELLENCE



Susan Redline, MD

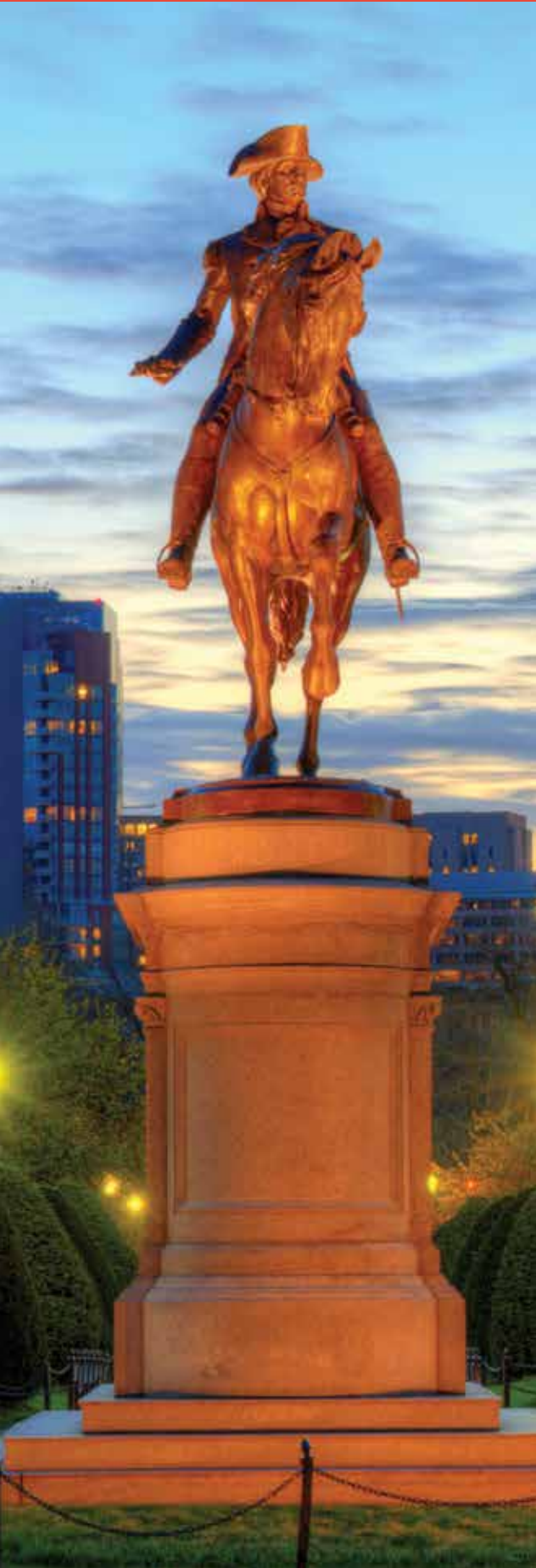
Peter C. Farrell Professor of Sleep Medicine, Harvard Medical School

Individual Susceptibility to Sleep Apnea: Influences of Genomics and the Environment

Tuesday, June 6 at 8:00am

Dr. Redline's research interests are primarily focused on conducting epidemiological studies designed to elucidate the etiologies of sleep disorders, including the role of genetic and early life developmental factors; and conducting epidemiological and clinical trials aimed at understanding the health outcomes and cardiovascular consequences of sleep disorders.

POSTGRADUATE COURSES



REGISTRATION FEES

	Member	Nonmember
Full-Day Courses	\$150	\$200
Half-Day Courses	\$85	\$150

In order to register for Postgraduate Courses, you must be registered for the SLEEP 2017 general session. Resident/Postdoctoral or Student/Predoctoral attendees may register for the Postgraduate Courses at the member rate regardless of the membership status.

The APSS will only provide Postgraduate Course materials in an electronic format. Prior to the meeting, attendees who pre-register will be provided with instructions to download or print the course materials, if desired.

Detailed Agendas

Available on sleepmeeting.org



Note: The APSS will not supply computers or tablets to view the materials or power for computers or tablets. Attendees must ensure their laptops or tablets are sufficiently powered prior to the Postgraduate Courses.

 FULL-DAY COURSES**C01: Year in Review 2017**

This annual course will discuss new perspectives and recent findings in translational science from the past year.

Ravi Allada, MD, PhD, Co-Chair | *Christine Won, MD, Co-Chair*

Anthony Doufas, MD, PhD | Eric Kezirian, MD |

Andrew Krystal, MD | Vahid Mohsenin, MD |

Babak Mokhlesi, MD | Eric Musiek, MD, PhD |

David Raizen, MD, PhD | Fred Turek, PhD

C02: Trends in Sleep Medicine

This annual course will focus on topics that are important to the practice of clinical sleep medicine.

Katherine Sarmiento, MD, Co-Chair |

Shalini Paruthi, MD, Co-Chair |

Fariha Abbasi-Feinberg, MD | Nancy Collop, MD |

B. Gail Demko, DMD | Andrew Krystal, MD | Reena Mehra, MD

| Mark Rosekind, PhD | Lynn Marie Trotti, MD

C03: Precision Sleep Medicine: Predictive, Preventive, Personalized and Participatory

This course will provide clinicians and clinical researchers with an introduction in precision medicine to foster greater innovation in programs of research and clinical practice.

Philip Gehrman, PhD, Chair | Kelly Baron, PhD |

Matt Bianchi, MD, PhD |

Julio Fernandez-Mendoza, PhD, CBSM |

Clete Kushida, MD, PhD, RST, RPSGT |

Emmanuel Mignot, MD, PhD | Allan Pack, MBChB, PhD |

Manuel Sanchez de la Torre, PhD

**Specific Course Times**

View the Schedule at a Glance on page 6.

 **HALF-DAY COURSES****C04: Difficult Cases That Keep You Up at Night: Case-based Review of Challenging Clinical Scenarios for the Sleep Medicine Specialist**

This course will review challenging clinical scenarios encountered by the practicing sleep specialist in a case-based format.

Raman Malhotra, MD, Chair | Douglas Kirsch, MD |

Timothy Morgenthaler, MD | David Plante, MD

C05: Hang Ten on These Waves: EEG Essentials for the Sleep Practitioner

This course will review the area of EEG and nocturnal events that are challenging for many clinicians.

Bradley Vaughn, MD, Chair | Selim Benbadis, MD |

Mithri Junna, MD | Erik St. Louis, MD

C06: Treatment Advancements for Sleep Disordered Breathing

This course is designed to enhance the physiological understanding of sleep disordered breathing syndromes and how particular treatments can be individualized to patients to enhance clinical care.

Karin Johnson, MD, Chair | Melanie Pogach, MD |

Bernardo Selim, MD | Ryan Soose, MD

C07: Managing and Treating Sleep and Sleepiness in Workplace Settings

The course will discuss state-of-the-art research, fatigue-risk management, and occupational sleep medicine.

Devon Grant, MD, Chair | Thomas Balkin, PhD |

Francine James, PhD | Charles Samuels, MD

FULL-DAY COURSES

C08: 2017 State of the Art for Clinical Practitioners

This annual course will focus on the best practices for evaluating, diagnosing and treating the most common sleep disorders in clinical practice.

Glen Greenough, MD, Co-Chair | *Shalini Paruthi, MD, Co-Chair*
Alon Avidan, MD | Nancy Collop, MD |
Shahrokh Javaheri, MD | Raman Malhotra, MD |
Kiran Maski, MD | Michael Sateia, MD | Lisa Wolfe, MD |
John Winkelman, MD, PhD

C09: Behavioral Sleep Medicine: Evidence- and Case-based Treatment of Special Populations

This course will provide attendees training in the delivery of evidence-based and cutting-edge behavioral sleep medicine interventions for managing their patients.

James Wyatt, PhD, Co-Chair | *Jack Edinger, PhD, Co-Chair* |
Mark Aloia, PhD | J. Todd Arnedt, PhD |
Anne Germain, PhD | Jennifer Martin, PhD |
Lisa Meltzer, PhD | Michael Smith, PhD

C10: Adolescent Sleep Medicine: State of the Art 2017

This course provides an overview of how best to diagnose and treat the gamut of sleep disorders in adolescents, the challenges and benefits of evaluating and treating their sleep disorders, focusing especially on late adolescence and emerging adulthood.

Madeleine Grigg-Damberger, MD, Co-Chair |
Sanjeev Kothare, MD, Co-Chair |

Anna Ivanenko, MD, PhD | Umakanth Khatwa, MD |
Suresh Kotagal, MBBS | Anne Marie Morse, DO |
Carol Rosen, MD | Matthew Troester, DO

HALF-DAY COURSES

C11: Evolving Your Sleep Practice to Meet the Needs of an Ever Changing Healthcare World

This course will discuss several challenges facing sleep practices now and in the near future and is ideal for sleep center managers as well as physicians.

Neil Freedman, MD, Chair | Amy Aronsky, DO |
Conrad Iber, MD | Timothy Morgenthaler, MD

C12: Sleep Disturbances and Cancer: An Emerging Relationship

This course will discuss the current epidemiological and clinical studies, the potential contribution of alterations in circadian rhythm, insomnia and sleep duration on cancer and how cancer can affect sleep quality.

Isaac Almendros, PhD, Chair | Sonia Ancoli-Israel, PhD |
Javier Nieto, MD, PhD | Eva Schernhammer, MD

C13: The Holy Grail of Clinical Sleep Medicine: Measuring and Reporting Meaningful Outcomes

This course will provide the rationale to translate clinical and research sleep outcomes to neurobehavioral and health outcomes that are high value priorities for patients, clinicians and other stakeholders.

Daniel Lewin, PhD Chair | Dean Beebe, PhD |
Vincent Capaldi, MD | Anne Germain, PhD

C14: Restless Legs Syndrome (RLS) Treatment Advances in The Post-Mainly-Dopamine Era: Augmentation, Alpha-2-Delta Agents, Opioids, Iron, Pediatric Care and Those Intractable Cases

This course will provide a practical review of the major developments in standard of care for RLS.

Richard Allen, PhD, Chair | Christopher Earley, PhD | Diego Garcia-Borreguero, MD, PhD | Daniel Picchietti, MD

MAXIMIZE YOUR CURRENT SPACE FOR DAYTIME & NIGHTTIME USE

DAY



NIGHT



IDTF Centers | Physicians Offices | Private & Government Hospitals

**Wilding
Wallbeds™**
Clinical Pro Series

Discover how we can transform
your current daytime space into
a fully functional Sleep Clinic.



EXAM



DESK



WARDROBE



BOOK SHELF

OPTIONAL SIDE CABINETRY CHOICES

LUNCH SESSIONS

SLEEP 2017 offers a variety of lunchtime sessions throughout the week. Lunch is provided at Meet the Professors and Lunch Debates, which are paid ticketed sessions. All other sessions provide the opportunity to bring your own lunch.

MEET THE PROFESSORS

Member \$55 | Nonmember: \$65

Enjoy lunch while participating in a discussion lead by a prominent member of the sleep community. Sessions are limited to 60 participants and will be focused on a specific topic.



MONDAY, JUNE 5 12:45PM-1:45PM

M01	Clinical Practice Guidelines for the Pharmacologic Treatment of Chronic Insomnia in Adults	Michael Sateia, MD
M02	Sleep Forensics and Criminology	Clete Kushida, MD, PhD, RST, RPSGT
M03	Surgical Evaluation and Treatment of Obstructive Sleep Apnea	Eric Kezirian, MD, MPH
M04	The ABC's of MACRA	Fariha Abbasi-Feinberg, MD
M05	Translating Circadian Biology into Health and Disease: Role of Chronotherapy	Phyllis Zee, MD, PhD



TUESDAY, JUNE 6 12:30PM-1:30PM

M06	Nightmare Disorder: When Patients are Scared to Sleep at Night	Anoop Karippot, MD, RPSGT
M07	Clinical Practice Guidelines for the Diagnostic Testing of OSA in Adults	Vishesh Kapur, MD
M08	Implementing Healthy School Start Times: Educating and Engaging Community Stakeholders	Judith Owens, MD
M09	Increasing the Availability of Sleep Therapy to More Patients	Rachel Manber, PhD
M10	Improving Cardiovascular and Metabolic Outcomes with Insomnia Therapy	Nancy Redeker, PhD, RN

M11	Obesity Hypoventilation Syndrome: Evaluation and Treatment	Babak Mokhlesi, MD
M12	Leading in: Promoting and Sponsoring Opportunities for Women in Sleep Medicine	Susan Redline, MD
M13	Challenging Cases in Pediatric Sleep Medicine	Lourdes Del Rosso, MD
M14	Developing a Sleep Curriculum for Pulmonary Fellows	Lawrence Epstein, MD
M15	Overview of Accreditation Standards	James Rowley, MD

LUNCH DEBATES

Member: \$40 | Nonmember: \$50

Spend your lunch exploring hot topics in the field of sleep! Sessions will have approximately 80 participants and will be focused on a specific topic.

 MONDAY, JUNE 5 | 12:45PM-1:45PM

L01	The Synaptic Basis of Function: SHY vs. Synaptic Enhancement of Sleep	Chiara Cirelli, MD, PhD and Ted Abel, PhD
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 TUESDAY, JUNE 6 | 12:30PM-1:30PM

L02	Sleep Need: What is it and Can it be Quantified?	Paul Shaw, PhD and Ronald Szymusiak, PhD
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 WEDNESDAY, JUNE 7 | 12:30PM-1:30PM

L03	Is Sleep Testing Needed When Straightforward OSA is Suspected?	Charles Atwood, MD and Samuel Kuna, MD
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CONVERSATIONS WITH EXPERTS

Member: Free | Nonmember: Free

Seating is first-come, first-served.

Get your questions answered by some of the most prominent names in the field of sleep and circadian science in these small-group sessions. Lunch will not be provided.

EXHIBIT HALL & NETWORKING OPPORTUNITIES

EXHIBIT HALL

Learn about the newest products and services in the field in the SLEEP 2017 exhibit hall! This year's exhibit hall will showcase booth displays of pharmaceutical companies, equipment manufacturers, medical publishers and software companies. Over 120 companies exhibited at SLEEP 2016. You must be at least 12 years of age to enter the exhibit hall*.

Exhibit Hall Hours

Monday, June 5	10:00am-4:00pm
Tuesday, June 6	10:00am-4:00pm
Wednesday, June 7	10:00am-1:30pm



SOCIETY BOOTH

Make time to stop by the SLEEP 2017 Society Booth to learn about the latest and greatest products and services from the AASM and SRS.



AASM LEARNING LOUNGE

Plan to attend the AASM Learning Lounge while at SLEEP 2017. The AASM Learning Lounge is the newest place for SLEEP attendees to have small-group discussions and learn about the latest services provided by the AASM.



**Only children 12 or older are permitted in the exhibit hall, poster sessions and in session rooms. No strollers are permitted in the exhibit hall, poster sessions or session rooms.*

SLEEP RESEARCH SOCIETY

22ND ANNUAL TRAINEE SYMPOSIA SERIES

Space is limited, don't miss it!

The 22nd Annual Sleep Research Society Trainee Symposia Series will be held Sunday, June 4, 2017 at the Hynes Convention Center. The series is free to SRS student members. You must be registered for the SLEEP 2017 general session to participate. The deadline to register for the Trainee Symposia Series is April 21, 2017. Registrations will not be accepted after this date.

CLUB HYPNOS

Sunday, June 4, 2017 | 6:30 p.m. - 8:00 p.m.

Attend the SRS Member Reception "Club Hypnos" at the Sheraton Boston Hotel. Socialize with your colleagues; enjoy a fun and entertaining Data Blitz with delightful food and drink! This year's event is expected to be bigger and better than ever—don't miss Club Hypnos 2017.

TRAINEE DEVELOPMENT SUITE

The Trainee Development Suite offers SRS trainee members an opportunity to network with other trainees, experienced researchers and mentors in sleep and circadian science. Sessions will be offered for different levels of training. Visit sleepresearchsociety.org for more information.

MEMBERSHIP MEETINGS



American Academy of Sleep Medicine

AASM Membership Meeting

Monday, June 5 | 12:30pm-1:45pm



Sleep
Research
Society®

SRS Membership Meeting

Tuesday, June 6 | 12:20pm-1:30pm

POSTER VIEWING

Poster presentations will be on display June 4-6 in the poster hall. Authors will be present at their posters to discuss their research during the following official viewing hours.

Poster Hall Hours

Sunday, June 4 5:00pm-7:00pm

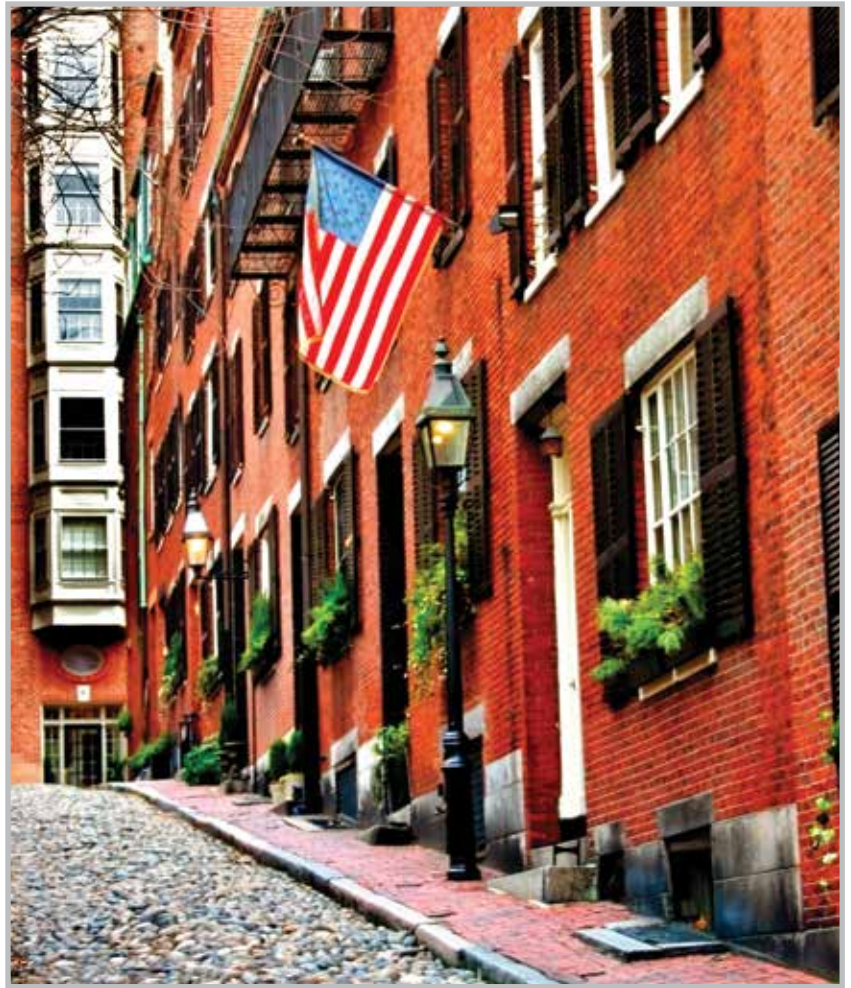
Monday, June 5 5:00pm-7:00pm

Tuesday, June 6 5:00pm-7:00pm

TOP 10 THINGS TO DO IN BOSTON

There are so many different things to do in Boston it is hard to know where to start. Here is a quick guide to 10 things you must do in Boston at least once!

1. **Walk the Freedom Trail**
2. **Visit Fenway Park**
3. **Explore the Boston Public Library**
4. **Stroll through the Boston Common/Public Garden**
5. **Check out Faneuil Hall Marketplace**
6. **Explore the Rose Fitzgerald Kennedy Greenway**
7. **Visit the Boston Harbor Islands**
8. **Shop the Outlets at Assembly Row**
9. **Explore Cambridge**
10. **Shop & Dine at the Boston Public Market**



BOSTON

EXPERIENCE SO MUCH MORE!

History around every corner, and so much more! Boston's rich art, music and dance institutions, theater and cultural attractions, distinguished dining and nightlife venues, world-class shopping and championship sports teams attract millions of visitors each year. The city's downtown neighborhoods, each with its own personality, offer endless unique experiences and its proximity to other must-see sites all around New England make it one of the country's most diverse and exciting locales.

Back Bay, the neighborhood home to the Hynes Convention Center, is a bustling area lined with unique shops, trendy restaurants and vintage homes, making the Back Bay an extremely fashionable destination for Boston residents and visitors. This neighborhood also houses the two tallest members of Boston's skyline, the Prudential Center and the John Hancock Tower, in addition to architectural treasures such as Trinity Church and the Boston Public Library, the first public lending library in the United States.

TRAVEL

AIR

With more than 40 airlines flying nonstop to Logan International Airport and over 100 domestic and international destinations including 50 non-stop international destinations, Boston is easier to get to than ever.

TRANSPORTATION

Logan Airport is located a convenient five miles from the Hynes Convention Center, with several public airport transportation options from downtown and suburban locations. Following is information on various modes of travel you can use to get to and from the airport and around Boston.

TAXI

Taxi service is available throughout the city. From Logan International Airport to most hotels in Boston and Cambridge, current fares are approximately \$40-\$45, one way.

LOGAN EXPRESS

Logan Express offers convenient and affordable bus service from Logan Airport directly to the Hynes Convention Center. With a one-way fare of \$7.50, Logan Express stops at all airport terminals with departures approximately every 20 minutes.

TAKE THE “T”

Boston's public transportation system, also known as the “T”, offers subway, bus, trolley car and boat service to just about everywhere in the Greater Boston area and beyond. Subway stops are color coded - Red Line, Green Line, Blue Line, Orange Line or Silver Line. Riders need to purchase a CharlieCard or CharlieTicket, which can be purchased at every subway station at vending machines and at select convenience stores. The basic fare is \$2.65. Visit mbta.com for more information.



AMTRAK & MBTA COMMUTER RAIL

AMTRAK, Amtrak Acela, and MBTA Commuter Rail offer convenient service in and out of Boston, connecting travelers to the Boston suburbs, New York, Washington, D.C., Philadelphia, Baltimore, Portland and other points nationwide. Visit amtrak.com or mbta.com for schedules and more information.

RAIL

Both Amtrak and Boston's Commuter Rail service make it easy to get in and out of the city.

HUBWAY

Hubway is Boston's bike sharing system providing over 100 stations and 1,000 bikes available in Boston, Brookline, Cambridge, and Somerville. Grab a bike near your hotel and pedal your way to your next attraction, shopping trip, or to visit friends and family.

Visit thehubway.com for more information and to purchase a pass.

REGISTRATION

YOUR MEMBERSHIP MATTERS

GENERAL SESSIONS	On or before April 21	April 22- May 19
AASM/SRS/Dual Individual Member	\$300	\$375
Nonmember	\$525	\$600
AASM/SRS Resident/ Postdoctoral Member	\$180	\$180
Resident/Postdoctoral Nonmember	\$230	\$230
AASM/SRS Student/ Predoctoral Member	\$95	\$95
Student/Predoctoral Nonmember	\$135	\$135
AAST Member	\$220	\$295
Technologist (AAST Nonmember)	\$325	\$400

Registration materials (including badges, final programs, tickets, etc.) will be provided at the registration counter located in Exhibit Hall C Lobby of the Hynes Convention Center.

GENERAL SESSION REGISTRATION

General registration includes admission to the general sessions from 1:00pm on Sunday, June 4-Wednesday, June 7, 2017, industry supported events and the exhibit hall. Additional fees are required for attending ticketed events—Postgraduate Courses (June 3-4), Meet the Professor sessions (June 5-7) and Lunch Debates (June 5-7).

Confirmation

After registering for SLEEP 2017, registrants will receive confirmation from the APSS via email. **It is recommended that you bring your confirmation notice with you to the meeting. This will allow you the option to pick up your registration materials using ExpressPass®.** If there are any questions or discrepancies with your registration, the confirmation notice will provide the information necessary to resolve the complication.

On-site registration will be accepted with an additional administration fee.

TICKETED SESSIONS	Member	Nonmember
Half-Day Postgraduate Courses	\$85	\$150
Full-Day Postgraduate Courses	\$150	\$200
Meet the Professors	\$55	\$65
Lunch Debates	\$40	\$50

TICKETED SESSION REGISTRATION

You must register for the SLEEP 2017 general session to register for any ticketed events.

Forget to register for ticketed sessions?

Follow the instructions in your confirmation email to directly add ticketed sessions to your existing registration.

PRE-REGISTER & SAVE!



BECOME A MEMBER & SAVE UP TO \$225*

**SAVE MONEY BY REGISTERING EARLY &
GET INTO THE TICKETED SESSIONS YOU WANT!**



THREE WAYS TO REGISTER

Online (credit card only)

Register at sleepmeeting.org

Fax (credit card only)

(630) 737-9789

Registration form available at sleepmeeting.org

Mail (credit card or check)

Associated Professional Sleep Societies, LLC

Attention: Meeting Department

2510 North Frontage Road

Darien, IL 60561

SAVE EVEN MORE WITH MEMBERSHIP

AASM and SRS individual members receive the lowest registration rates for SLEEP 2017.

American Academy of Sleep Medicine

Be a part of the only professional society dedicated exclusively to the medical subspecialty of sleep medicine.

Visit aasmnet.org/join2017 to join.

Sleep Research Society

Join over 1,300 members as they maximize their professional potential in the field of sleep research.

Visit sleepresearchsociety.org/newmember.aspx to join.



**Save up to \$225 only applies to members registering by May 19th.*

HOUSING



ACCOMMODATIONS

The Sheraton Boston Hotel will serve as the SLEEP 2017 headquarter hotel.

The hotel is conveniently connected to the Hynes Convention Center via the Prudential Center. A block of guest rooms has been reserved at a group rate available through May 5, 2017 (or until the room block sells out).

Guest room reservations must be made directly through the SLEEP 2017 housing website. Rooms available at the group rate are limited and available on a first-come, first-served basis.

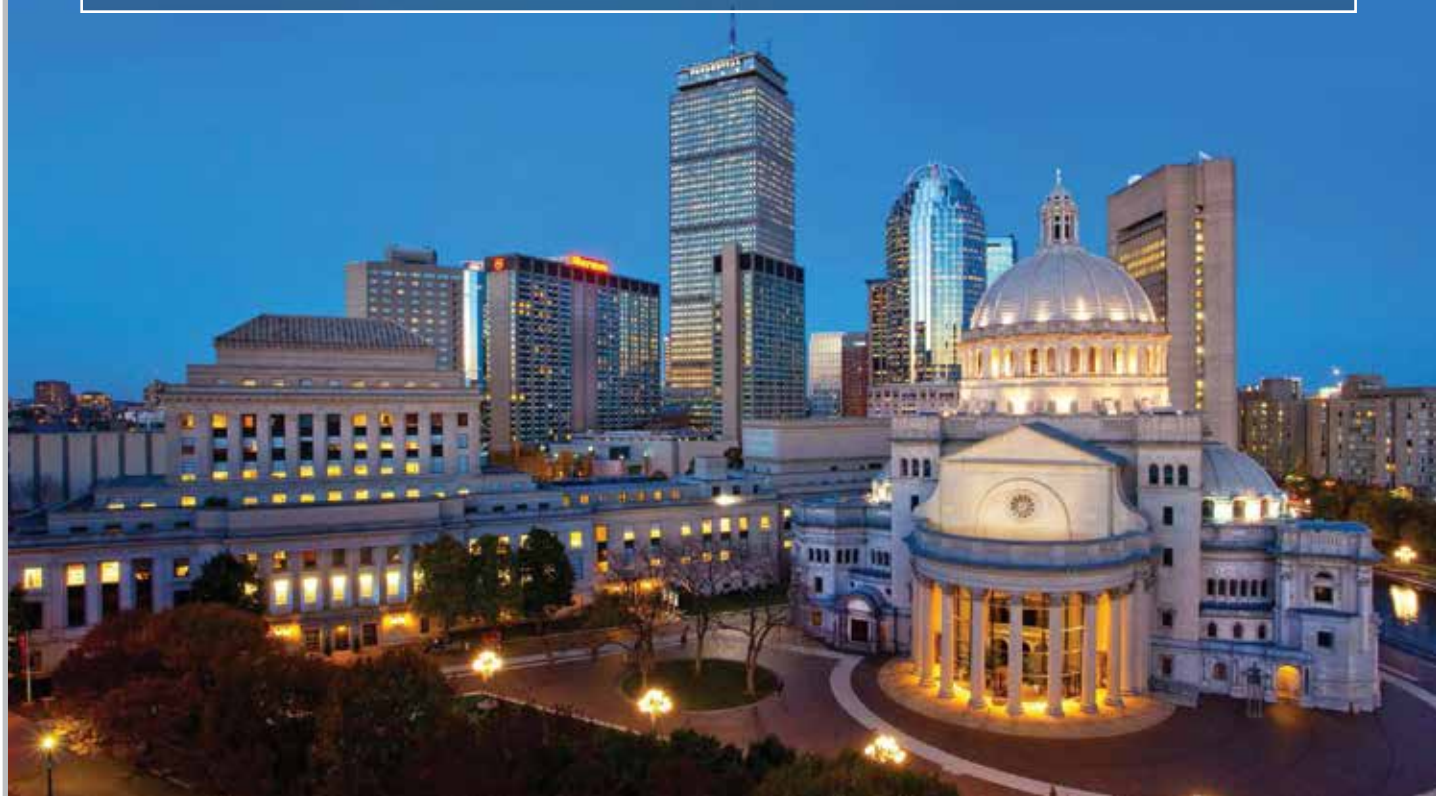
Book your hotel room early to ensure the best hotel selection and price. Visit sleepmeeting.org to make your hotel reservation.

HOUSING CONTACT INFORMATION

EMAIL: sleepmedicine@onpeak.com

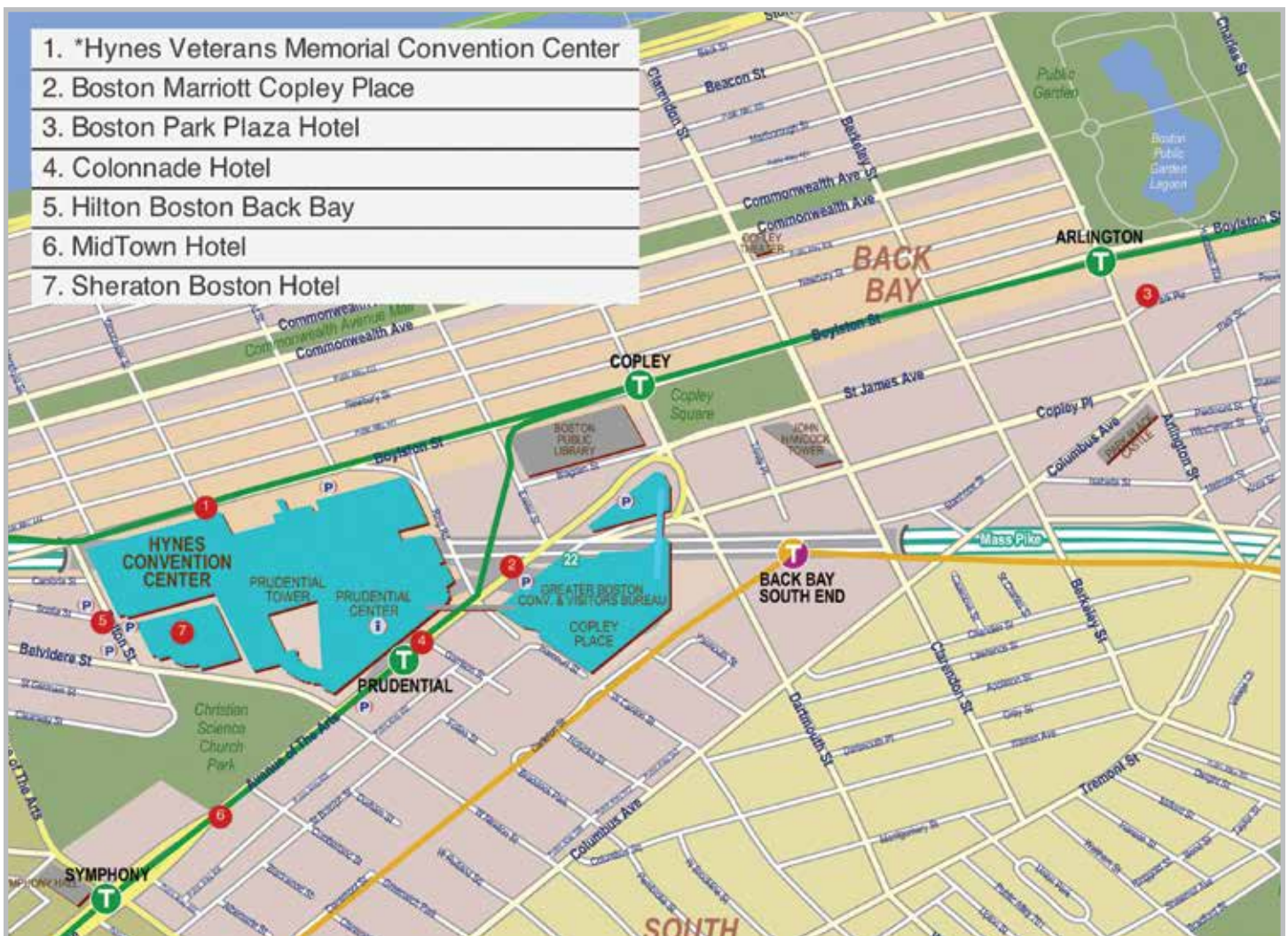
LOCAL: (877) 690-9217 | INTERNATIONAL: (312) 527-7300

WEBSITE: sleepmeeting.org/attendees/housing



HOTELS

	Room Rates (S/D Occupancy)	Restaurants or Lounges on Property	Room Service	Pool	Health Club or Fitness Center	Concierge	Wifi In Room
Sheraton Boston Hotel (Headquarter Hotel)	\$244	♦	♦	♦	♦	♦	♦
Boston Marriott Copley Place	\$275	♦	♦	♦	♦	♦	♦
Boston Park Plaza	\$259	♦	♦		♦	♦	♦
The Colonnade Hotel	\$289	♦	♦	♦	♦	♦	♦
Hilton Boston Back Bay	\$279	♦	♦	♦	♦	♦	♦
The Midtown Hotel	\$189			♦			♦



CONTINUING EDUCATION

DO NOT FORGET TO REGISTER FOR CREDITS

Continuing education credits are not included in your general registration.

LEARNING OBJECTIVES

After attending SLEEP 2017, participants should be able to:

1. Summarize relevant information on the latest sleep research and clinical practices;
2. Identify present issues or challenges in diagnosis/treatment of sleep disorders, practice of sleep medicine or topics related to the field of sleep;
3. Integrate strategies and tools for the enhancement/advancement of sleep medicine; and
4. Recognize and discuss common sleep disorders.

CONTINUING MEDICAL EDUCATION [CME] CREDIT FOR PHYSICIANS

AASM/SRS Member: \$25 | Nonmember: \$40

SLEEP 2017 meeting activities have been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Sleep Medicine (AASM) and the Associated Professional Sleep Societies, LLC (APSS). The American Academy of Sleep Medicine is accredited by the ACCME to provide continuing medical education for physicians. The American Academy of Sleep Medicine designates this live educational activity for a maximum of 38.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

LETTERS OF ATTENDANCE

AASM/SRS Member: \$25 | Nonmember: \$40

Individuals who are not eligible for any type of continuing education credits offered at SLEEP 2017 may receive a letter of attendance outlining the number of *AMA PRA Category 1 Credits™* designated for the sessions they attend at SLEEP 2017.

CONTINUING EDUCATION [CE] FOR PSYCHOLOGISTS

AASM/SRS Member: \$50 | Nonmember: \$50

This course is co-sponsored by Amedco and the Associated Professional Sleep Societies, LLC (APSS). Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program and its content.

Satisfactory Completion for Psychologists

Participants must complete an attendance/evaluation form in order to receive a certificate of completion/attendance. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available.

To apply for CME credit, CE credit for psychologists, or a letter of attendance, you must register and pay the appropriate fee.

IT'S ALL ABOUT THE AIRWAY

INTRODUCING THE O₂VENT™ T FROM OVENTUS

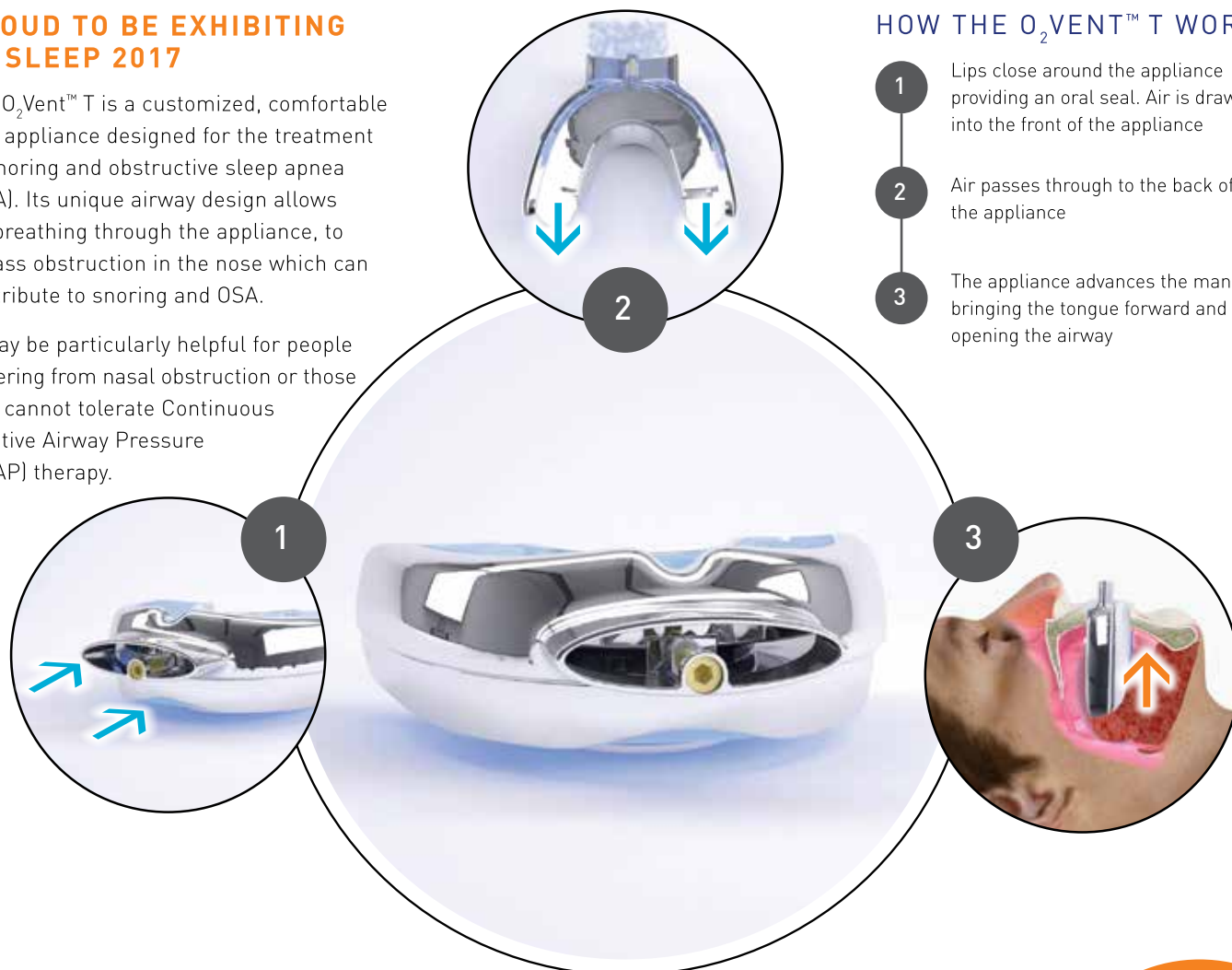
PROUD TO BE EXHIBITING AT SLEEP 2017

The O₂Vent™ T is a customized, comfortable oral appliance designed for the treatment of snoring and obstructive sleep apnea (OSA). Its unique airway design allows for breathing through the appliance, to bypass obstruction in the nose which can contribute to snoring and OSA.

It may be particularly helpful for people suffering from nasal obstruction or those that cannot tolerate Continuous Positive Airway Pressure (CPAP) therapy.

HOW THE O₂VENT™ T WORKS

- 1 Lips close around the appliance providing an oral seal. Air is drawn into the front of the appliance
- 2 Air passes through to the back of the appliance
- 3 The appliance advances the mandible, bringing the tongue forward and opening the airway



CLINICAL RESULTS WITH O₂VENT™*

100%

of patients experienced significant improvement in snoring using O₂Vent

82%

of patients experienced complete elimination of snoring using O₂Vent

76%

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BETTER SLEEP. BETTER HEALTH AND A BETTER LIFE

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AVOID MISSED DESATURATIONS OR REPEAT SLEEP STUDIES

Nonin Medical's WristOx₂® Model 3150 proves to be superior in capturing oxygen desaturation events*

- Time saving verification of recorded data during oxygen qualification studies
- Prevents repeat studies due to insufficient data with **Memory Volume Indicator (MVI) Mode**
- Graphic display of data recorded in hours and minutes
- Reduced costs and overall efficiencies

Potential risks of missed events

- Incorrect diagnosis
- Delayed treatment
- Extended hospital stays or premature discharge



* To learn more about Nonin's accuracy difference, download the white paper at lead.nonin.com/virtuoxwhitepaper