The Face of Pediatric Neurosurgery
The American Association of Neurological Surgeons (AANS) and the Congress of Neurological Surgeons (CNS) would like to welcome you to Orlando for the 45th Annual Meeting of the Section on Pediatric Neurological Surgery. The meeting will be held Dec. 5-8, 2016, at the Hilton Orlando Bonnet Creek located near the Walt Disney World® Resort and parks, which are known for their abundance of entertainment and leisure activities. This year, a creative program will highlight experts in cutting-edge science and patient care as well as explore some controversies in our field.

This year’s meeting theme incorporates the many faces of pediatric neurosurgery, including innovation, quality, compassion and excellence. Breakthrough scientific presentations from leaders in stem cell research, intracranial pressure and cerebrospinal fluid and tumor technology will anchor the meeting. Dr. Jocelyne Bloch of Lausanne University Hospital will present her exciting work on stem cell regeneration after brain injury, and Conrad E. Johanson, PhD, will share new insights into space flight and its effect on intracranial pressure and cerebrospinal fluid production. A special lecture by Jim MacPhee, senior vice president of Walt Disney World Parks at the Walt Disney World® Resort, will feature his insider knowledge of enhancing the guest experience at the world’s busiest theme parks. James Doty, MD, FAANS, director of the Compassion in Care program at Stanford, will discuss his personal experiences and his program teaching compassionate care to the next generation of physicians. His book, Into the Magic Shop: A Neurosurgeon’s Quest to Discover the Mysteries of the Brain and the Secrets of the Heart, has taught many how the powerful tools of mindfulness and compassion can enhance our interactions with others. Special clinical symposia on tumor technology, management of incidental imaging findings and approaches to complex hydrocephalus problems will be presented. The meeting will allow participants to engage, as never before, in open discussion and dialogue with experts in the field through interactive sessions outside the lecture hall. Thomas G. Luerssen, MD, FAANS, will be honored by the section with the Ingraham Award in a special tribute to his years of dedication to the field.

A special Advanced Practice Provider (APP) Seminar on Monday, Dec. 5, will offer insightful lectures on current advances in neurosurgery. This added hands-on experience will allow participants to become familiar with common procedures by enhancing their ability to assist with these procedures, as well as troubleshoot problems that may arise.

Orlando offers unique experiences to visitors from around the world but also has a vibrant medical and research community. We heard your comments and suggestions from previous meetings, and ample time for one-on-one interaction, question-and-answer sessions and an exchange of ideas will be provided. We sincerely hope you join us for the 45th Annual Meeting of the Pediatric Section in Orlando, Dec. 5-8, 2016.

Sarah J. Gaskill, MD, FAANS
Section Chair

Greg Olavarria, MD
Scientific Program Co-chair

Jogi V. Pattisapu, MD, FAANS(L)
Scientific Program Co-chair
Who Should Attend
The educational sessions will be directed towards pediatric neurological surgeons, residents, nurse clinicians and physician assistants, and will be directly applicable to their practices.

Continuing Medical Education Credit
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the AANS and the AANS/ CNS Section on Pediatric Neurological Surgery. The AANS is accredited by the ACCME to provide continuing medical education for physicians.

The AANS designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credits™ for the Advanced Practice Provider Seminar and 15.0 AMA PRA Category 1 Credits™ for the Annual Meeting. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing Contact Hours for the Advanced Practice Provider Seminar
This activity has been submitted to the Ohio Nurses Association (OBN-001-91) for approval to award contact hours. The Ohio Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

Please call the AANS at 888.566.2267 for more information about contact hours.

Annual Meeting Learning Objectives
Upon completion of this CME activity, participants should be able to:

• Identify current research advances in stem cell research and potential clinical applications of that research.
• Describe ways to improve one’s relations with patients and their families through compassion, empathy and mindfulness.
• Review and identify practical applications of hydrocephalus and cerebrospinal fluid physiology research in novel environments (i.e. space travel) as well as management of problematic patient hydrocephalus presentations.
• Identify developing research in tumor molecular subtyping and its practical application to tumor treatment in children.
• Describe the latest basic science research and clinical studies pertaining to the field of pediatric neurosurgery through oral platform presentations in the areas of tumor, trauma, congenital, vascular and functional neurosurgery.

Disclosures
Before the program, anyone in control of the educational content of this activity will disclose the existence of any financial interest and/or the relationship they or their significant other have with the manufacturer(s) of any commercial product(s) to be discussed during their presentation. Disclosures will be included in the meeting app.
### MONDAY, DEC. 5
- 7 a.m.-7 p.m.: Registration in the Floridian Ballroom West Foyer
- 8 a.m.-4:45 p.m.: Advanced Practice Provider (APP) Seminar
- 6-7:30 p.m.: Opening Reception

### TUESDAY, DEC. 6
- 6 a.m.-5 p.m.: Registration
- 7:15-8 a.m.: Continental Breakfast in the Exhibit Hall
- 7:15 a.m.-3:30 p.m.: Exhibit Hall
- 8 a.m.-12 p.m.: Plenary and Scientific Sessions
- 10:15-10:45 a.m.: Beverage Break in the Exhibit Hall Honoring Thomas G. Luerssen, MD, FAANS
- 12–1 p.m.: Lunch in the Exhibit Hall
- 1-4:30 p.m.: Plenary and Scientific Sessions
- 2:45-3:15 p.m.: Beverage Break in the Exhibit Hall
- 4:30-4:45 p.m.: Annual Business Meeting

### WEDNESDAY, DEC. 7
- 6 a.m.-5 p.m.: Registration
- 7:15-8 a.m.: Continental Breakfast in the Exhibit Hall
- 7:15 a.m.-5:30 p.m.: Exhibit Hall
- 8 a.m.-12 p.m.: Plenary and Scientific Sessions
- 9:45-10:15 a.m.: Beverage Break in the Exhibit Hall
- 12–1 p.m.: Lunch in the Exhibit Hall
- 1-4:30 p.m.: Plenary and Scientific Sessions
- 2:42-3:12 p.m.: Beverage Break in the Exhibit Hall
- 4:30-5:30 p.m.: Wine and Cheese Reception in the Exhibit Hall

### THURSDAY, DEC. 8
- 6-11 a.m.: Registration
- 7:15-8 a.m.: Continental Breakfast in the Exhibit Hall
- 7:15-10:45 a.m.: Exhibit Hall
- 8-11:40 a.m.: Plenary and Scientific Sessions
- 10-10:30 a.m.: Beverage Break in the Exhibit Hall

*Note: Program times are subject to change.*
This year’s meeting theme, *The Face of Pediatric Neurosurgery*, provides a valuable opportunity to hear leading experts discuss topics of interest to today’s pediatric neurosurgeon. The program features four clinical symposia that explore the topics of molecular tumor typing, hydrocephalus controversies, stem cell transplants and hydrocephalus incidental findings. In addition, open scientific sessions provide exposure to the latest knowledge and groundbreaking research.

**NEW IN 2016**

**Discussion Topic Table**

Join the conversation! The Discussion Topic Table gives attendees a chance to continue the dialogue by visiting with presenters at this table in the exhibit hall. Look for further information, including topics and speakers, in the program agenda.

**Poster Presentations**

Poster presenters will be available at their assigned poster board to answer questions on Wednesday, immediately following the lunch break. View posters and visit presenters in the back of the general session room.

**Featured Lecturers**

This year’s Raimondi Lecture, “Experience Innovation” will be given by Jim MacPhee, senior vice president of Walt Disney World Parks at the Walt Disney World® Resort.

The American Academy of Pediatrics/Section on Neurological Surgery (AAP/SONS) Lecture will feature James R. Doty, MD, FAANS, professor of neurosurgery at Stanford University and the founder and director of the Center for Compassion and Altruism Research and Education presenting “Hacking Your Brain for Happiness.”

Two additional special lecturers have been invited to present during this year’s program. Dr. Jocelyne Bloch will speak on brain injury repair in her talk, “Autologous Neural Cell Ecosystems Transplantation in the Brain and Spinal Cord.” And, Conrad E. Johanson, PhD, discusses his collaboration with NASA in “Elevated ICP: CSF Hypertension on Earth vs. Spaceflight.”

**Franc D. Ingraham Award**

The Pediatric Section is pleased to recognize Thomas G. Luerssen, MD, FAANS, as the recipient of the 2016 Franc D. Ingraham Award for Distinguished Service and Achievement. Dr. Luerssen will be recognized for his contributions to pediatric neurosurgery on Tuesday morning, followed by a special beverage break in his honor in the exhibit hall.

**Abstract Awards**

Three oral presentations will be selected to receive awards at this year’s meeting. Awards include:

- The Kenneth Shulman Award for best overall paper;
- The Hydrocephalus Association Award for best paper on the topic of hydrocephalus; and
- The AAP/SONS Award for the best paper whose findings broadly impact and improve the health of children by influencing pediatric health care practice through the generalization of pediatric neurosurgical knowledge.

Top poster awards for basic science research and for clinical research will also be selected.

**Advanced Practice Provider Education**

A full-day, dedicated educational track is offered for the advanced practice provider, focusing on challenges in patient care and healthcare delivery. Attendees will participate in a hands-on component with the opportunity to perform shunt tap, shunt reprogram, EVD/ICP placement and a craniotomy and dural closure. The agenda and further information is provided on page 13.

**Social and Networking Opportunities**

During your stay in Orlando, catch up with colleagues and meet with current and future partners in the exhibit hall. Attendees can win one of two free registrations to the 2017 Pediatric Section Annual Meeting by visiting exhibitors and completing their Destination Orlando card. See pages 14-15 for details.

**Meeting App**

The entire program will be accessible via the meeting app—an easily downloadable, user-friendly means of accessing the agenda, speaker information, abstracts and exhibitor list. To enhance the use of the meeting app, a printed Quick Planner will be available to all attendees at Registration. This printed option will serve as a program overview.
**Featured Speakers**

**Raimondi Lecture**

**Experience Innovation**

Jim MacPhee  
*Senior Vice President,*  
Walt Disney World Parks at the *Walt Disney World® Resort*

Having been with the *Walt Disney World® Resort* for 37 years, Jim MacPhee has functioned in a variety of roles across all of the theme parks at both *Walt Disney World®* and the *Disneyland® Resort* in Anaheim, Calif. He began his career in the summer of 1978 as an hourly cast member driving the Watercraft vessels in Bay Lake and the Seven Seas Lagoon just outside the *Magic Kingdom*. He performed a variety of different roles at various levels across all of the Theme Parks during these years, and in 1996 was promoted to the executive position of General Manager, *Disney's Animal Kingdom*. In this role, Jim was responsible for the operational input, development and opening of this theme park. Shortly thereafter, Jim ventured off to be a part of the opening team for *Disney's California Adventure* at the *Disneyland® Resort*, as Vice President, Attractions & Guest Services.

In the spring of 2001, Jim returned to *Walt Disney World®,* and in 2004 was promoted to Vice President of Park Operations Line of Business. In this role, Jim led a team that focused on the standardization of *Operational Excellence* across the properties. In early 2007, Jim accepted the role of Vice President, *Epcot*, a position he held until March 2009, when he began to lead the *MyMagic+* efforts.

He was promoted to his current position in 2010 and is responsible for the strategic direction of Walt Disney World Theme Parks. In this role, he leads the Vice Presidents of *Magic Kingdom,* *Epcot,* *Disney's Hollywood Studios,* and *Disney's Animal Kingdom,* who oversee daily operations and more than 20,000 Cast Members.

Born in Illinois, Jim considers himself an “almost native Floridian,” having been raised in Ormond Beach and having attended Florida State University. Jim is an active member of the Executive Board of Florida Hospital and the Board of Directors and Board of Trustees for United Arts of Central Florida.

Dedicated to his family, Jim and his wife Marty have twin girls thirteen years of age, Anna and Catalina. As a family they enjoy spending time together on the Florida coast and Central Florida lakes.

**AAP/Section on Neurological Surgery (SONS) Lecture**

**Hacking Your Brain for Happiness**

James R. Doty, MD, FAANS  
*Professor of Neurosurgery,*  
*Stanford University* and *Founder and Director of the Center for Compassion and Altruism Research and Education*

James R. Doty, MD, FAANS, is a professor of neurosurgery at Stanford University and the founder and director of the Center for Compassion and Altruism Research and Education, of which the Dalai Lama is a founding benefactor. Dr. Doty’s research interests in the area of neurosurgery have focused on CyberKnife® stereotactic radiosurgery. He has been a pioneer in the development of the technology and is a past CEO of Accuray, manufacturer of the CyberKnife. Additionally, Dr. Doty was director of the Stanford minimally invasive and complex spine surgery program for a number of years and holds patents in multiple devices. More recently, his research has focused on how compassion and altruistic behavior are represented in the brain and their effect on peripheral physiology using a variety of modalities.

Dr. Doty serves as an operating partner of the Capricorn Healthcare and Special Opportunities fund and is an advisor to a number of venture capital firms and medical-oriented start-ups. As a philanthropist, he has endowed chairs at multiple universities including Stanford and Tulane, funded basic science and clinical research projects, and funded scholarships for socioeconomically disadvantaged students. Dr. Doty supports numerous health clinics throughout the world and projects focused on peace initiatives. He serves on several non-profit boards including the Charter for Compassion and the Dalai Lama Foundation of which he is chair.

Dr. Jocelyne Bloch graduated in the Faculty of Medicine of Lausanne University in December, 1994. She trained in neurosurgery with Professors Nicolas de Tribolet, Arnaldo Benini and Jean Guy Villemure in Lausanne and Zurich and obtained her neurosurgical degree in 2002. She specialized in stereotactic and functional neurosurgery and acquired extensive experience and expertise in deep brain stimulation (DBS) and neuromodulation for movement disorders, pain and epilepsy. Dr. Bloch is in charge of the functional neurosurgical unit at the Centre Hospitalier Universitaire Vaudois (CHUV).

Very active in experimental medicine and translational neuroscience, Dr. Bloch nourishes a profound interest in the development of new indications for DBS and in advancing technologies and therapeutic paradigms in neuromodulation, neuro-regeneration and cell therapy. She seeks to gather all these novel therapeutic strategies under a common umbrella that will foster optimization of treatment options for patients suffering from neurological impairments.

From 1997 to 1999, she joined the laboratory led by Professor Patrick Aebischer where she performed both basic and translational research projects in the field of gene therapy and neuroregeneration. She acquired substantial experience in experimental neurosurgery in multiple animal models of neurological disorders including Parkinson’s disease and spinal cord injury. She contributed to two high-profile studies in non-human primates published in Science and Nature Medicine. She continues fruitful collaborations with Professor Eric Rouiller, who leads the primate center in Fribourg.

In collaboration with Jean-François Brunet, she is pioneering the development of adult brain cell autologous transplantation for patients with stroke. She also collaborates with Grégoire Courtine and José del R. Millan, who are both professors in the center for neuroprosthetics at the École Polytechnique Fédérale de Lausanne (EPFL). These research projects focus on the translation of electrochemical neuromodulation therapies to improve locomotion after spinal cord injury in humans, and for the development of closed-loop DBS strategies in Parkinsonian patients.

Conrad Johanson, PhD, is professor emeritus of neurosurgery at Brown University Medical School in Providence and has been a member of the neurosurgery department there since 1985. As Director of the Neurosurgery Laboratories, Dr. Johanson was funded by the NIH for several R01 basic science grants to investigate CSF dynamics and choroid plexus transport physiology in development and aging and to characterize pathophysiologic alterations of CSF in experimental ischemia, hydrocephalus and Alzheimer’s disease. Dr. Johanson and his research team have developed various solute transport models for the blood-CSF barrier and blood-brain barrier. For three decades his research group at Brown has presented choroid plexus and CSF models at a wide spectrum of national society meetings and international symposia.

Dr. Johanson has published widely in the area of physiology and pharmacology of CSF production. He has also reviewed for numerous neuroscience and physiology journals, and for several NIH study sections. For the past five years, as a member of a NASA research advisory committee, he has been consulting on the Vision Impairment and Intracranial Pressure (VIIP) project that evaluates ICP and brain fluid issues in space flight.
Thomas G. Luerssen, MD, FAANS, is currently professor of neurological surgery at the Baylor College of Medicine. He was the former chief of neurological surgery at Texas Children's Hospital in Houston, and was chief quality officer for surgery there from 2009 through 2016.

Dr. Luerssen attended Purdue University, graduating with a Bachelor of Science degree in 1973. He attended medical school at Indiana University, graduated in 1976, and completed his neurosurgery residency at Indiana University Medical Center. After residency, Dr. Luerssen entered private practice. His career in pediatric neurosurgery started in 1983 with fellowship training at the Children's Hospital of Philadelphia under the direction of Luis Schut, MD, FAANS(L).

After fellowship, Dr. Luerssen joined the faculty at the University of California San Diego. Working with Lawrence Marshall, MD, FAANS(L), he developed a clinical interest in pediatric neurotrauma which continued throughout his career. In 1988, he returned to Indiana University and spent 18 years as director of the pediatric neurosurgery service at the James Whitcomb Riley Hospital for Children. In 2006, he was recruited to Texas Children's to build upon the service started by William R. Cheek Jr., MD, FAANS(L).

At the time of his arrival at Texas Children's, the hospital was completely revamping its Quality and Safety organizational structure. Dr. Luerssen was asked to undertake advanced training in quality improvement and patient safety. New positions of chief quality officers for medicine and surgery were created in 2009, and Dr. Luerssen was appointed for surgery.

He and his faculty at Indiana University and Texas Children's have trained 16 fellows, most of whom are in academic medicine. He has given more than 200 presentations at national forums and has published more than 200 articles or book chapters. In 2011, he was the Donald D. Matson Lecturer at the American Association of Neurological Surgeons (AANS) Annual Scientific Meeting.

Dr. Luerssen a past chairman of the AANS/CNS Section on Pediatric Neurological Surgery and past president of the American Society of Pediatric Neurosurgeons. He served as a director of the American Board of Pediatric Surgery and on the executive committee of the American Academy of Pediatrics Section on Neurological Surgery. He was a national member of the Committee on Trauma of the American College of Surgeons from 1996-2006.

He has been supported by his wife, Norma, throughout his entire neurosurgical career. Tom and Norma have three children: John, Brian and Katharine, as well as two young grandchildren.

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<th>INGRAHAM AWARD RECIPIENTS</th>
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<tr>
<td>1988</td>
<td>E. Bruce Hendrick, MD</td>
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<td>2001</td>
<td>Luis Schut, MD, FAANS(L)</td>
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<td>2004</td>
<td>Fred J. Epstein, MD</td>
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<td>2007</td>
<td>Robin P. Humphreys, MD FAANS(L)</td>
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<td>2009</td>
<td>David G. McLone, MD, PhD, FAANS(L)</td>
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<td>2011</td>
<td>R. Michael Scott, MD, FAANS(L)</td>
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<td>2014</td>
<td>Marion L. Walker, MD, FAANS(L)</td>
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<td>2015</td>
<td>A. Leland Albright, MD, FAANS(L)</td>
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Monday, Dec. 5

7 a.m.–7 p.m.
Registration

8 a.m.–4:45 p.m.
Advanced Practice Provider (APP) Seminar
Additional fee for this activity. See agenda on page 13

12–4 p.m.
Executive Committee

4–4:30 p.m.
Education Committee

6–7:30 p.m.
Opening Reception
Included in Annual Meeting registration fee

Tuesday, Dec. 6

6 a.m.–5 p.m.
Registration

7:15–8 a.m.
Continental Breakfast in the Exhibit Hall
Topic Discussion Table: Residents and Medical Students Meet the Leadership

8:01–8:05 a.m.
Welcome and Opening Remarks
Sarah J. Gaskill, MD, FAANS
Pediatric Section Chair
Greg Olavarria, MD
Jogi V. Pattisapu, MD, FAANS(L)
Annual Meeting Co-chairs

8:06–10:14 a.m.
Scientific Session I
8:06–9:50 a.m.
Abstract Presentations

9:51–10:14 a.m.
Franc D. Ingraham Award for Distinguished Service and Achievement
Recipient:
Thomas G. Luerssen, MD, FAANS
Introduction:
Andrew H. Jea, MD, FAANS

10:15–10:45 a.m.
Beverage Break in the Exhibit Hall
Honoring Dr. Luerssen

10:46–11:59 a.m
Scientific Session II
10:46–11:20 a.m.
Abstract Presentations

11:21–11:59 a.m.
Raimondi Lecture
Experience Innovation
Jim MacPhee

12–1 p.m.
Lunch in the Exhibit Hall
Topic Discussion Table: Jim MacPhee

1:01–2:44 p.m.
Scientific Session III
1:01–2:10 p.m.
Abstract Presentations

2:11–2:44 p.m.
Clinical Symposium I: New Trends in Molecular Tumor Typing
Speakers:
Amy A. Smith, MD
Vijay Ramaswamy, MD
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<th>Time</th>
<th>Event</th>
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<tr>
<td>2:45-3:15 p.m.</td>
<td><strong>Beverage Break in the Exhibit Hall</strong>&lt;br&gt;<strong>Discussion Topic Table: Drs. Smith and Ramaswamy</strong></td>
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<td>3:16-4:29 p.m.</td>
<td><strong>Scientific Session IV</strong>&lt;br&gt;<strong>Abstract Presentations</strong>&lt;br&gt;<strong>Clinical Symposium II: Hydrocephalus Controversies</strong>&lt;br&gt;Speaker: <em>Arthur E. Marlin, MD, FAANS</em>&lt;br&gt;4:22-4:29 p.m. <strong>Announcements</strong></td>
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<td>4:30-4:45 p.m.</td>
<td><strong>Section Annual Business Meeting</strong>&lt;br&gt;<strong>AAP/SONS Business Meeting</strong></td>
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<td>Wednesday, Dec. 7</td>
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<td>6 a.m.-5 p.m.</td>
<td><strong>Registration</strong></td>
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<td>7:15-8 a.m.</td>
<td><strong>Continental Breakfast in the Exhibit Hall</strong>&lt;br&gt;<strong>Topic Discussion Table: Difficult Case Review</strong></td>
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<td>8:01-8:06 a.m.</td>
<td><strong>2017 Preview</strong></td>
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<td>8:07-9:44 a.m.</td>
<td><strong>Scientific Session V</strong>&lt;br&gt;8:07-8:22 a.m. <strong>Section Research Awards</strong>&lt;br&gt;8:23-8:57 a.m. <strong>Abstract Presentations</strong>&lt;br&gt;8:58-9:44 a.m. <strong>Special Lecture</strong>&lt;br&gt;<strong>Autologous Neural Cell Ecosystems Transplantation in the Brain and Spinal Cord</strong>&lt;br&gt;<em>Dr. Jocelyne Bloch</em></td>
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<td>9:45-10:15 a.m.</td>
<td><strong>Beverage Break in the Exhibit Hall</strong></td>
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<td>10:16-11:59 a.m.</td>
<td><strong>Scientific Session VI</strong>&lt;br&gt;10:16-11:25 a.m. <strong>Abstract Presentations</strong>&lt;br&gt;11:26-11:59 a.m. <strong>Clinical Symposium III: Stem Cell and Pediatric Neurosurgery</strong>&lt;br&gt;Speakers:&lt;br&gt;<em>Dr. Jocelyne Bloch&lt;br&gt;Cesario V. Borlongan, PhD</em></td>
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<td>12-1 p.m.</td>
<td><strong>Lunch in the Exhibit Hall</strong>&lt;br&gt;<strong>Topic Discussion Table: Drs. Bloch and Borlongan</strong></td>
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Thursday, Dec. 8

6-11 a.m.
Registration

7:15-8 a.m.
Breakfast in the Exhibit Hall
Topic Discussion Table: Breakfast with the Experts

8:01-9:59 a.m.
Scientific Session IX

8:01-8:03 a.m.
Poster Awards Announced

8:04-8:38 a.m.
Abstract Presentations

8:39-9:24 a.m.
Special Lecture
Elevated ICP: CSF Hypertension on Earth vs. Spaceflight
Conrad E. Johanson, PhD

9:25-9:59 a.m.
Abstract Presentations

10-10:30 a.m.
Beverage Break in the Exhibit Hall
First Prize Drawing

10:31-11:40 a.m.
Scientific Session X

10:31-11:01 a.m.
Clinical Symposium IV: Activity Recommendations for Children with Intracranial Imaging Findings
Speaker:
Cormac O. Maher, MD, FAANS

11:02-11:36 a.m.
Abstract Presentations

11:37-11:40 a.m.
Hydrocephalus, Shulman, and AAP/SONS Awards

11:40 a.m.
Closing Remarks
Sarah J. Gaskill, MD, FAANS
Monday, Dec. 5

8 a.m.-4:45 p.m.

Advanced Practice Provider Seminar

Cost: Additional fee. Lunch is provided. See page 13 for details.

In the spirit of enhancing quality care, a dedicated educational seminar for advanced practice providers (APPs) is offered with discussion topics on physical and radiographic evaluations – as well as medical and surgical management – of infants and children with a variety of neurosurgical disorders, such as congenital and developmental disorders, coma, severe brain injury, trauma, non-accidental trauma (NAT), vascular abnormalities and tumors, spasticity, headache, spina bifida and hydrocephalus. Each session includes a hands-on portion to improve understanding of ICP/EVD placement, shunt troubleshooting, craniotomy and dural suture. Additionally, a forum of APPs will discuss various roles and situations APPs in pediatric neurosurgery are faced with and provide tips to work through them. Lunch is provided.

Learning Objectives:

Upon completion of the educational activity, participants should be to:

- Recognize when and how to shunt, troubleshoot shunt issues, shunt tap and reprogram in regards to hydrocephalus.
- Identify patients with a variety of neurosurgical disorders and initiate appropriate management strategies.
- Give examples of how to improve and expand the role of APPs in pediatric neurosurgery.
- Describe the neurosurgical and multidisciplinary perspectives in regards to the management of spina bifida patients.
- Recognize and identify when surgical intervention is appropriate and appropriate measures.
- Identify pediatric radiographic abnormalities and determine appropriate studies needed for evaluation.
Monday, Dec. 5

7 a.m.  
Registration open

8-8:05 a.m.  
Welcome and Introduction

8:06-8:36 a.m.  
Physical Exam of the Newborn and Child, Coma Exam, Brain Death Exam  
Jasna Kojic, MD

8:37-9:07 a.m.  
Neuroradiology Review, Common Findings: Trauma, NAT, Vascular, Tumors  
Abhijit Patil, MD

9:08-9:38 a.m.  
Management of Severe Brain Injury: When to Monitor, Guidelines, ICP  
Greg Olavarria, MD

9:39-10:09 a.m.  
EVD/ICP Insertion, Nuances, and Troubleshooting  
Greg Olavarria, MD

10:10-10:30 a.m.  
Beverage Break

10:31-11:01 a.m.  
Spasticity Management: Surgical Decision-making, Programming  
Margarita Correa, MD

11:02-11:32 a.m.  
Ophthalmology Findings in Pediatric Neurosurgery Patients  
Louis Blumenfeld, MD

11:33 a.m.-12:33 p.m.  
Lunch and Networking

12:34-1:04 p.m.  
Management of the Spina Bifida Patient: Early, Maintenance Issues, Transition  
Eryn Lawson, PA-C

1:05-1:35 p.m.  
Post-operative Pain Management Strategies  
Jaroslava Teet, PA-C

1:36-2:06 p.m.  
Shunts: Decision-making, Troubleshooting, Shunt Programming/Tapping  
Ashley Rogers, PA-C

2:07-2:27 p.m.  
APP Forum: An Open Dialogue with Senior APPs  
Eryn Lawson, PA-C  
Scott Poag, PA-C  
Jaroslava Teet, PA-C  
Carrie Young, CPNP

2:28-2:58 p.m.  
Beverage Break

2:59-4:40 p.m.  
Hands-on Stations  
• EVD Insertion/Troubleshooting  
• Shunt Tap/Shunt Reprogram  
• ICP Monitor Insertion/Troubleshooting  
• Dural Suture/Craniotomy

4:41-4:45 p.m.  
Closing Remarks and Evaluations

6-7:30 p.m.  
Opening Reception

Note: For those attendees that have registered for only the Advanced Practice Provider Seminar, you have the option to attend the Annual Meeting Opening Reception at an additional charge of $100. For those registered for the full Annual Meeting, a ticket to the Opening Reception is included.
Social Events

Opening Reception
Monday, Dec. 5
6-7:30 p.m.
Hilton Orlando Bonnet Creek
Enjoy an evening with friends and colleagues over a wonderful assortment of hors d’oeuvres and an open bar. All registered attendees and registered guests/spouses receive one complimentary ticket to this event. Business casual attire is suggested.

Wine and Cheese Reception in the Exhibit Hall
Wednesday, Dec. 7
4:30-5:30 p.m.
This is a perfect opportunity to meet and talk informally with key exhibitors and colleagues while enjoying some food and beverage at the end of the day. All registered attendees and guests/spouses receive one complimentary ticket to this event.
Vendors and their exhibits afford meeting participants an excellent opportunity to view highly-specialized equipment and observe first-hand demonstrations of the latest technology available in pediatric neurosurgery.

**Exhibit Hours**
Tuesday, Dec. 6
7:15 a.m.-3:30 p.m.
Wednesday, Dec. 7
7:15 a.m.-5:30 p.m.
Thursday, Dec. 8
7:15-10:45 a.m.

**Destination Orlando Map**
Win Free Registration to the 2017 Annual Meeting!
During breaks in the exhibit hall, collect stamps from exhibitors on the Destination Orlando Map, included in your Quick Planner. When you complete the map, you can enter to win one of two prizes: free registration and a two-night hotel stay at the 2017 Annual Meeting.
Winner must be present to win, and the prize is non-transferable. Drawings will be Wednesday, Dec. 7, at 3 p.m. and Thursday, Dec. 8, at 10:15 a.m.

**Wine and Cheese Reception**
Attendees are invited to join exhibitors for a Wine and Cheese Reception in the exhibit hall on Wednesday, Dec. 7, at 4:30 p.m. This reception provides the perfect opportunity for you to mingle with colleagues in a relaxed environment while browsing the latest advances in products and innovations from our top industry vendors.

**Continental Breakfast**
Breakfast is the most important meal of the day. Join us for a continental breakfast in the exhibit hall Tuesday through Thursday, 7:15-8 a.m.

**Beverage Breaks**
Complimentary beverages offered throughout the exhibit hall during break times.

Tuesday, Dec. 6
10:15-10:45 a.m.
2:45-3:15 p.m.

Wednesday, Dec. 7
9:45-10:15 a.m.
2:42-3:12 p.m.

Thursday, Dec. 8
10-10:30 a.m.

**Lunch**
Enjoy a complimentary lunch on Tuesday and Wednesday while networking with colleagues and vendors.

Tuesday, Dec. 6, and Wednesday, Dec. 7
12-1 p.m.

**2016 List of Exhibitors**
*Exhibitors as of July 8, 2016*
- Brainlab
- KLS - Martin L.P.
- LeBonheur Children’s Hospital
- Mallinckrodt Pharmaceuticals
- Medtech Surgical Inc.
- Monteris Medical Inc.
- MRI Interventions, Inc.
- NICO Corporation
- ShuntCheck Inc.
- Surgical Theater, LLC
General Information

Meeting App and Quick Planner
Attendees will need a mobile device to download and use this user-friendly, web-based application. Prior to the meeting, attendees will be provided with the URL to access the meeting app and can look up sessions, abstract presentations, speakers or any other events. To supplement the meeting app, a printed Quick Planner will be provided for all attendees at the registration desk upon check-in. This guide will provide a general meeting overview for attendees.

How to Register
Visit [www.pedsneurosurgery.org/meetings/current-meeting](http://www.pedsneurosurgery.org/meetings/current-meeting). Click on the appropriate link to register for the meeting or make hotel reservations. If you prefer, you can complete and return the registration form provided in this preliminary program.

Save $100 by registering by Nov. 7, 2016. If you have any questions about registration, call 224.563.3167 or email aansped@compusystems.com.

Cancellations/Refunds
Requests for registration cancellation must be made in writing and sent to:

AANS/CNS Section on Pediatric Neurological Surgery
c/o CompuSystems
2651 Warrenville Road, Suite 400
Downers Grove, IL 60515
Or faxed to: 708.344.4444

All refunds will be processed and mailed following the Annual Meeting. Please allow four to six weeks for processing. Refunds will be made in accordance with the following schedule:

Cancellations received on or before Monday, Nov. 7, 2016, will receive a full refund less a $50 processing fee. Cancellations received between Tuesday, Nov. 8, 2016, and Monday, Nov. 21, 2016, will receive a full refund less a $100 processing fee. No refunds will be made for cancellations received on or after Tuesday, Nov. 22, 2016.
Hotel Reservations
Hilton Orlando Bonnet Creek
14100 Bonnet Creek Resort Lane
Orlando, FL 32821

The AANS/CNS Section on Pediatric Neurological Surgery has negotiated special rates with the Hilton Orlando Bonnet Creek for 2016 Annual Meeting attendees. The hotel reservation deadline is Friday, Nov. 11, 2016. Be sure to make your reservation on or before the cut-off date to receive the $195 group rate. Reservation cancellation must be received a minimum of 72 hours prior to arrival in order to receive back deposit.

To make your reservation at the Hilton Orlando Bonnet Creek please visit https://aws.passkey.com/event/14807544/owner/9591246/home, or call 888.353.2013 and reference “AANS/CNS Section on Pediatric Neurological Surgery” when calling.

In addition, there is an optional resort fee of $25 per room/per night. If an attendee chooses to participate in the resort fee program, it includes: Unlimited access to in-room local and 1-800 calls; Kids eat free in Harvest Restaurant for breakfast and dinner; Access to the Waldorf Golf Club practice facility (driving range and putting range) and complimentary equipment rentals; 20% off at the pro shop located within Waldorf Astoria Golf Club; 10% off of spa services at the Waldorf Astoria Spa.

Transportation Options to and from Hilton Orlando Bonnet Creek

Airport Transportation
MEARS offers shuttle transportation from Orlando International Airport. Shuttle transportation is a shared riding service, and the pricing per person. MEARS also provides Charter Rates including 11-Passenger Vans, 25-Person Mini Bus, Motor Coach and Limousines. To make a reservation, visit www.mearstransportation.com or call 855.463.2776

- MEARS Shuttle:
  Per Adult: $23/One Way or $37/Round Trip;
  Per Child: $18/One Way or $28/Round Trip
- MEARS TownCar:
  $85/One Way or $155/Round Trip
- MEARS Limousine Transportation:
  Minimum $170/One Way

Taxi

Taxi service is available at Orlando International Airport, located on the Ground Transportation Level 1. Approximate fare to Hilton Orlando Bonnet Creek is $65.

Car Rental

There is a Hertz Car Rental desk located in the Hilton Orlando Bonnet Creek Lobby, adjacent to the Concierge desk. For information, please call the Hertz Desk at 407.597.3692.

Directions and Parking Information

If you are traveling by car, please review directions and hotel parking information for Hilton Orlando Bonnet Creek http://www.hiltonbonnetcreek.com/map-directions/driving-directions.

Direct Transportation to Walt Disney World® Resort Theme Parks

Complimentary private MEARS Motor Coach transportation is offered directly from Hilton Orlando Bonnet Creek to the neighboring Disney® Theme Parks and Disney Springs™ Area.

View the shuttle schedule at www.bonnetshuttle.com.

Americans with Disabilities Act

The AANS/CNS Section on Pediatric Neurological Surgery wishes to take those steps to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids and services. If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act in order to attend any program, please contact the Meeting Services Department at aansam@aans.org, or call 888.566.2267, ext. 529.
About Hilton Orlando Bonnet Creek

Hilton Orlando Bonnet Creek is surrounded by the Walt Disney World® Resort, just minutes from Disney® Theme Parks, water parks, and the Downtown Disney® Area. World-class shopping, arts and entertainment venues, and the best of Orlando’s exciting attractions are all within a short drive of the hotel.

Visit [www.hiltonbonnetcreek.com/activities](http://www.hiltonbonnetcreek.com/activities) to learn about activities and entertainment at and around the hotel.

About Orlando

With seven of the world’s top 20 theme parks in one destination, not to mention nearly 100 other attractions, Orlando certainly knows how to entertain. With more than 62 million visitors each year, this Central Florida city is also the most-visited tourist destination in the United States.

In addition to the theme parks, award-winning food scene, golf courses, versatile shopping and hidden gems, Orlando continues to offer new, unique experiences for visitors that create cherished memories. Learn more and plan your trip at [www.visitorlando.com](http://www.visitorlando.com).

Specially-priced Disney Tickets

For anyone attending with their families, specially-priced Disney Tickets can be purchased at [www.mydisneymeetings.com/aans16](http://www.mydisneymeetings.com/aans16). Make sure to order prior to Friday, Dec. 2, 2016.

Complimentary shuttle transportation is offered directly from Hilton Orlando Bonnet Creek to the neighboring Disney® Theme Parks and Disney Springs™ Area. View the shuttle schedule at [www.bonnetshuttle.com](http://www.bonnetshuttle.com).
Registration Form

45th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery
Dec. 5-8, 2016 | Hilton Orlando Bonnet Creek

To register online, visit www.pedsneurosurgery.org.

Please PRINT or TYPE:

_________________________________________________________________________________________________________________
Last Name  First Name

Organization

_____________________________________________________________________________________________________________________________________________
Address

City  State  Zip Code  Country

_______________________________________________________________
Business Phone  Home Phone

Fax Number  Email Address

Method of Payment

Check #__________________

☐ MasterCard    ☐ Visa    ☐ American Express

Credit Card Number  Expiration

Print name as it appears on credit card

Signature (I agree to pay above total amount according to card issuer agreement.)

Date

If you are paying by credit card, please fax this form to 708.344.4444.

Note: A charge to your credit card statement will appear as “AANS and related organization.”

If paying by check, please make checks payable in U.S. dollars, drawn on a U.S. bank and mail to:

AANS/CNS Section on Pediatric Neurological Surgery
c/o CompuSystems
2651 Warrenville Road, Suite 400
Downers Grove, IL 60515

If you have questions, please contact the AANS/CNS Section on Pediatric Neurological Surgery Registration Department at 224.563.3167 or email aansped@compusystems.com.

Included in Registration
Meeting attendee registration includes ONE ticket to each of the following:

• Opening Reception on Monday
• Lunch in the Exhibit Hall on Tuesday and Wednesday
• Wine and Cheese Reception in the Exhibit Hall on Wednesday
• Continental Breakfast in the Exhibit Hall on Tuesday, Wednesday and Thursday

Spouse/Guest registration includes ONE ticket to each of the following:

• Opening Reception in the Exhibit Hall on Monday
• Wine and Cheese Reception in the Exhibit Hall on Wednesday
• Continental Breakfast in the Exhibit Hall on Tuesday, Wednesday and Thursday
Registration Form continued

Special Events

Monday, Dec. 5 | 6-7:30 p.m.

Opening Reception
(One ticket is included in the registration fee; additional tickets can be purchased.)

Quantity:__________@$100 each

Wednesday, Dec. 7 | 4:30-5:30 p.m.

Wine and Cheese Reception
(One ticket is included in the registration fee; additional tickets can be purchased.)

Quantity:__________@$60 each

Cancellation Policy

Requests for registration cancellation must be submitted in writing to:
AANS/CNS Section on Pediatric Neurological Surgery
2651 Warrenville Road, Suite 400
Downers Grove, IL 60515
Email: aansped@compusystems.com

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Video capture, live streaming video and/or photography may be taken at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting. By registering/attending the meeting, you grant the AANS the right to use captured image, video and biography in print, electronic or other media. All postings become the property of the AANS and may be displayed, distributed or used by the AANS for any purpose. Attendees are prohibited from live streaming, photography and video capture without the consent of the AANS. The AANS is not responsible for unauthorized media capture performed by meeting attendees.

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Advanced Practice Provider (APP) Seminar

Please select one option below if you plan to attend.
Attending APP Seminar and Annual Meeting
(Separate registration fee required for Annual Meeting)

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*908 Please send a letter from your training program director to AANS/CNS Section on Pediatric Neurological Surgery Registration Department c/o CompuSystems.
Fax: 708.344.4444 Email: aansped@compusystems.com

**971 Please send a copy of your medical student ID to AANS/CNS Section on Pediatric Neurological Surgery Registration Department c/o CompuSystems.
Fax: 708.344.4444 Email: aansped@compusystems.com

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Spouse/Guest Name (Please print name as it should appear on badge.)

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Attending APP Seminar only

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45th Annual Meeting of the AANS/CNS Section on PEDIATRIC NEUROLOGICAL SURGERY

DEC. 5-8, 2016 | HILTON ORLANDO BONNET CREEK | ORLANDO, FLA.

See you in Orlando!