Welcome Message

Dear Colleagues,

On behalf of the IPEG Executive Committee I am very pleased to welcome you to the 23rd Annual IPEG Congress to be held in conjunction with the British Association of Paediatric Surgeons (BAPS) in Edinburgh.

IPEG is a relatively young association with a strong innovative drive. BAPS has its tradition and unique standing within our paediatric surgical community. These differing perspectives give this inaugural joint congress the opportunity to offer an exceptionally attractive program with unique joint sessions. I would like to particularly welcome the President of BAPS, Rick Turnock and his team and to thank them for their efforts to ensure that this Congress will be successful.

The congress chairman Philipp Szavay and the co-chair persons Kathy Barsness, Pablo Laje, and Go Miyano have set up an excellent program. Panels deal with hot topics and again, numerous experts will teach their tips and tricks in the IPEG workshops.

IPEG and BAPS would like to extend to all non-members to become active in IPEG and/or BAPS. Therefore, we would like to welcome NEW members with a special congress rate:

- IPEG one year membership US$120
- IPEG and BAPS one year membership US$240

Please make your selection on the on-line registration which will be available shortly.

Numerous aspects of endoscopic surgery in children remain to be evaluated and a new generation of surgeons is ready to get involved. IPEG is a unique association with many opportunities for young surgeons, and I am happy to invite you all to participate.

Finally, don’t miss our main event which will be extraordinary fun. Enjoy the traditional Ceilidh and an outrageous party.

Welcome to Edinburgh!

Benno Ure, MD, PhD
2014 IPEG President
Scotland’s Inspiring capital city – is one of the most beautiful cities in Europe, where stunning cultural heritage fuses with the best of modern, dynamic World Heritage city.

The city can be warm and pleasant during the summer although being close to the Firth of Forth means there can also be a cool coastal breeze and occasional mists (known locally as ‘haa’).

From April to September, temperatures are mild and compare favourably with other European cities. Annual rainfall is the same as Frankfurt, New York and less than in Rome.

**AIRPORT/TRAVEL INFORMATION**

Edinburgh Airport lies 8 miles (12 km) west of the city centre and is easy to reach thanks to reliable and frequent bus services. A range of taxi services and car hire options using major companies are also available.

**By Bus:** The Airlink 100 express bus service operates a 24-hour shuttle service between Edinburgh Airport and Waverley Bridge (near Princes Street and the main rail and bus stations), with designated stops en route. The service is frequent – every 10 minutes at peak times – with a journey time of about 25 minutes.

**By Taxi:** Official airport taxis, pre-booked private hire taxis and city black cabs are all available, each with separate ranks. Many taxis are wheelchair-accessible and the journey time is around 25 minutes (although this may be longer during rush hours).

**Car hire and driving:** Vehicles can be hired from all major companies at Edinburgh Airport’s new car rental facility close to the main terminal building.

**Train and Tram:** At present, there is no direct rail access between central Edinburgh and the airport. A high-quality, modern and efficient tram network is currently being built for Edinburgh and is scheduled to be running from the airport to the city centre from 2014.

**VISA INFORMATION FOR INTERNATIONAL ATTENDEES**

As part of the United Kingdom, Scotland has the same visa requirements. Visitors from the EU, rest of Europe and US, Canada, Australia and New Zealand can visit without a visa. Visitors from all other countries must have a valid visa to visit Scotland and details can be found at [www.ukba.homeoffice.gov.uk](http://www.ukba.homeoffice.gov.uk).
Why IPEG?
Now is an excellent time to become an IPEG member. Join IPEG now and receive a substantial discount on the meeting registration by being an IPEG member! Your dues also include a subscription to the *Journal of Laparoendoscopic & Advance Surgical Techniques* (a $900 value is yours for FREE with your paid IPEG membership.)

Who Should Attend?
The 23rd Annual Congress of the International Pediatric Endosurgery Group (IPEG) as elements that have been specifically designed to meet the needs of practicing pediatric surgeons, urologists, and other related specialties, physicians-in-training, GI assistants, and nurses who are interested in minimally invasive surgery in children and adolescents. The IPEG Program Committee recommends that participants design their own attendance schedule based on their own personal educational objectives.

2014 Meeting Objectives
The objectives of the activity are to educate pediatric surgeons and urologists about developing techniques, to discuss the evidence supporting adopting these techniques, to provide a forum for discussions at a scientific level about the management principles regarding minimally invasive surgical techniques and to reveal scientific developments that will affect their patient population.

Specific Objectives include:
1. Presentation of new and developing minimally invasive surgical techniques in a scientific environment.
2. Interaction with experts in the fields of minimally invasive pediatric surgery and urology via panel discussions and informal networking.
3. Debates about controversial issues regarding indications, techniques and outcomes of minimally invasive surgery in infants and children.
4. Encourage and establish international networking in the management and minimally invasive surgical interventions for infants and children.

At the conclusion of the activity, pediatric surgeons and urologists will be able to safely incorporate minimally invasive surgical techniques into their practice by applying the evidence-based medical knowledge and skills learned, recognizing pitfalls and monitoring patient outcomes.

Best Science Award
The Best Science Award will be a cash prize of US $1,000 to be presented on Saturday during the Awards Presentation Session. The Program Committee will select the Award recipient. The IPEG Executive Committee is committed to education and feels that this is a very concrete way to express that commitment.

IRCAD Award
As a result of a generous grant provided by Karl Storz Endoscopy, the best resident abstract presenters will be selected by the IPEG Publications Committee to receive the 2014 IRCAD Award. The Award recipients will travel to Strasbourg France to participate in a course in pediatric minimally invasive surgery at the world famous European Institute of Telesurgery. This center at the University of Strasbourg is a state-of-the-art institute for instruction in all aspects of endoscopic surgery that is now providing a series of courses in pediatric surgery.

IPEG Member Benefits
IPEG exists to support excellence in Pediatric Minimal Access Surgery and Endoscopy through education and research; to provide a forum for the exchange of ideas in Pediatric Minimal Access Surgery and Endoscopy; and to encourage and support development of standards of training and practice in Pediatric Minimal Access Surgery and Endoscopy. Benefits of membership include:
- Subscription to the *Journal of Laparoendoscopic & Advance Surgical Techniques* (a $900 value is yours for FREE with your paid IPEG membership.)
- Significant discounts on registration fees for the Annual Congress for Endosurgery in Children. (Note: registering for the IPEG Scientific Session, as a member, will save you the equivalent of one year’s dues)
- Affordable dues for surgeons and surgeons-in-training in any country.
- Opportunities to meet and discuss pediatric minimally invasive surgery with leaders and innovators in the field.

For more information and applications, please go to: [www.ipeg.org/member/memberapplication](http://www.ipeg.org/member/memberapplication).

Event Dress Code
Please note that the dress code for the entire conference is business casual. The average temperature is expected to be 19°C.
Accreditation

The Activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) and IPEG. SAGES is accredited by the ACCME to provide medical education for Physicians.

The Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) designates this live activity for a maximum of 23.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

2014 Program Chairs

PROGRAM CHAIR: Philipp O. Szavay, MD
CO-CHAIR: Katherine A. Barsness, MD
CO-CHAIR: Go Miyano, MD
CO-CHAIR: Pablo Laje, MD

Philipp O. Szavay, MD
Program Chair
Children’s Hospital, Lucerne, Switzerland

Philipp Szavay is currently Professor of Pediatric Surgery and Head of the Department of Pediatric Surgery at the Children’s Hospital in Lucerne, Switzerland.

He attended Medical School at the University of Tuebingen, Germany from 1988-1995 and residency and fellowship at the Department of Pediatric Surgery at the Hannover Medical School in Hannover, Germany from 1995-2002. He then became Attending Surgeon at the Department of Pediatric Surgery at the University Children’s Hospital again inTuebingen, Germany from 2002-2006. From 2006-2013 he was assigned to the Deputy Head of the Department.

Dr. Szavay is particularly interested in minimally invasive pediatric surgery as well as in pediatric urology. He has a strong focus on surgical education especially in the field of minimally invasive techniques and directed numerous national and international courses respectively. He is a member of the Executive Board of the German Society of Pediatric Surgery as well as of several professional societies. Dr. Szavay has published more than 37 manuscripts, 3 book chapters and 2 DVD’s on minimally invasive pediatric urology and on thoracoscopy and presented over 120 abstracts.

IPEG 2013 CORPORATE SUPPORTERS

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With additional contributions from: Capital Institute of Pediatrics, Beijing and Ethicon Endo-Surgery

*2014 Meeting Corporate Supporters will be updated on the IPEG’s website
2014 Program Chairs

Katherine A. Barsness, MD
Program Co-Chair
Ann & Robert H Lurie Children’s Hospital, Chicago, Illinois

Dr. Katherine A. Barsness received her cum laude B.S. degree in Biochemistry and her honors M.D. degree from the University of Tennessee. Dr. Barsness then went on to complete her internship and residency in general surgery, and a two-year basic science and trauma research program, at the University of Colorado. In 2007, Dr. Barsness completed her pediatric surgery fellowship at the University of Pittsburgh, and then joined the faculty at Northwestern University Feinberg School of Medicine, where she currently holds a joint appointment as an Assistant Professor in the Departments of Surgery and Medical Education. Dr. Barsness has received numerous teaching awards throughout her career, and is well recognized for her work in pediatric surgical education, both in the US and abroad. Dr. Barsness is the Director of Surgical Simulation for Ann and Robert H. Lurie Children’s Hospital of Chicago. Dr. Barsness was also recently appointed as the Director of Surgical Clinical Outcomes Research and an Associate Director of Surgical Translational Research for the Children’s Research Center at Lurie Children’s Hospital. She sits on the curriculum committee for simulation-based education, and serves as the Director of External Relations, for the Center for Education in Medicine in Northwestern University Feinberg School of Medicine. Dr. Barsness’ research focuses on the development and validation of educational tools and simulation models for use in pediatric surgical training. Dr. Barsness is a strong advocate for the advancement of surgical skills across the continuum of medical education, and remains committed to the growth and development of IPEG into a world-class organization, advancing the science of advanced minimally invasive surgical techniques for infants and children.

Pablo Laje, MD
Program Co-Chair
Children’s Hospital of Philadelphia, Philadelphia, Pennsylvania

Dr. Pablo Laje is currently Assistant Professor of Surgery at the University of Pennsylvania and Attending Surgeon at the Children’s Hospital of Philadelphia (CHOP), USA. He attended Medical School at the University of Buenos Aires and graduated in 1999. He trained in pediatric surgery at the JP Garrahan Pediatric Hospital in Buenos Aires, Argentina and obtained his Board Certification in 2005. Pursuing further training he went to CHOP in 2005 for a clinical/research fellowship in pediatric and fetal surgery. In 2011 he was appointed CHOP faculty.

Dr. Laje has a particular interest in pediatric minimally invasive surgery and has conducted numerous basic science research projects to study the physiological implications of minimally invasive surgery on healthy and diseased organs. In 2008 he won the Best Basic Science Abstract Award at IPEG and obtained IPEG’s Research Grant for his work on biliary atresia.

He has more than 30 publications on PubMed and has written multiple book chapters in the pediatric surgery literature.

Go Miyano, MD
Program Co-Chair
Juntendo University School of Medicine, Tokyo, Japan

Go Miyano is currently an Associate Professor in the Department of Pediatric General and Urogenital Surgery at Juntendo University School of Medicine, and Chief Medical Officer in the Department of Pediatric Surgery at Shizuoka Children’s Hospital. He attended Juntendo University School of Medicine, Tokyo, Japan from 1995-2001 and completed his residency and fellowship in the Department of Pediatric General and Urogenital Surgery at Juntendo University Hospital under the supervision of Atsuyuki Yamataka from 2001-2006. He was a visiting research fellow in the Department of Pediatric Surgery at Blank Children’s Hospital under the supervision of Professor Thom E. Lobe from 2006-2007 and in the Department of Pediatric General and Thoracic Surgery at Cincinnati Children’s Hospital under the supervision by Professor Thomas H. Inge from 2007-2008. He has held his current position since 2009. He has a keen interest in the education of medical students and residents, and was voted the best tutor by his peers during his first year on faculty at Juntendo University School of Medicine and awarded. He has since been actively involved as a member of the Board of Directors for Medical Student Education at Juntendo University. He has a strong focus on minimally invasive pediatric surgery, and has published over 60 manuscripts in authoritative peer-reviewed journals, over 30 as first author. He has also given over 30 presentations at various international conferences.
Celeste Hollands, MD
St. John’s Children’s Hospital in Springfield, IL, USA
University of South Alabama in Mobile, AL, USA

Dr. Hollands is currently a Pediatric Surgeon at St. John’s Children’s Hospital in Springfield, Illinois and is Adjunct Associate Professor of Surgery at the University of South Alabama in Mobile, Alabama. Dr. Hollands completed medical school at the University of South Alabama and completed her surgical residency at The Graduate Hospital of the University of Pennsylvania. She completed a Pediatric Trauma fellowship at The Children’s Hospital of Philadelphia and a Pediatric Surgery Fellowship at Miami Children’s Hospital. She served on the surgical faculty as Assistant Professor of Surgery and Pediatrics at Louisiana State University Health Sciences Center in Shreveport, Louisiana where her research focused on developing pediatric robotic surgical procedures. She served on the faculty of the University at Buffalo, Women’s and Children’s Hospital of Buffalo as Associate Professor of Surgery and Pediatrics where she was Director of the Miniature Access Surgery Center and Director of Trauma. Dr. Hollands was Associate Professor of Surgery and Pediatrics at the University of South Alabama where she served as Chief of Pediatric Surgery and Director of Surgical Simulation. Dr. Hollands has published on topics that include: minimally invasive and robotic surgery, pediatric trauma, simulation, and faculty development. She serves on the executive Committee of the American College of Surgeons Committee on Medical Student Education, on the American College of Surgeons and Association for Surgical Education Medical Student Core Curriculum Steering Committee, is Secretary of the Association of Women Surgeons, and is active in committee service in the International Pediatric Endosurgery Group, Society of American Gastrointestinal and Endoscopic Surgeons, and Association for Surgical Education. She serves on the editorial board of The American Journal of Surgery and The Journal of Laparoendoscopic and Advanced Surgical Techniques and is an ad hoc reviewer for several other journals. Her interests include advanced minimally invasive surgery and robotics, technical skills acquisition, surgical simulation and education.

Holger Till, MD, PhD
Medical University of Graz, Graz, Austria

Professor Holger Till is currently Chair Professor and Director of the Department of Paediatric and Adolescent surgery at the Medical University of Graz. He attended Medical School at the University of Goettingen and the University of California in San Diego (UCSD). He also participated in a student exchange program with the Harvard Medical School and got fascinated by pediatric surgery while working with Professor Patricia Donahoe at the Massachusetts General Hospital in Boston. After graduation in 1989 he completed his residency in General Surgery and his fellowship in Pediatric Surgery at the Ludwig-Maximilians University of Munich. His career as a Pediatric Surgeon started at the Dr. von Hauner Children’s Hospital of the University of Munich. In 2004 he became an Assistant Professor of Pediatric Surgery at the Chinese University of Hong Kong with Professor Yeung. In 2006 he returned to Germany and accepted the Professorship for Pediatric Surgery in Leipzig until becoming the successor of Professor Michael Höllwarth in Graz in 2012.

Professor Till has a special interest in pediatric minimal invasive surgery and was the director of the Single-Portal Laparoscopic Surgery (SPLS) training course at the IRDC (International Reference and Development Center for Surgical Technology) in Leipzig. He also chaired the training academy of the German Society of Pediatric Surgery. His present research introduces modern techniques like metabolomics and proteomics to malformations of the newborn as well as morbid obesity. He has published more than 130 scientific articles in national and international indexed journals and presented over 100 abstracts. Professor Till is a member of several professional societies and serves on the Editorial Board of many prestigious journals.

Suzanne M. Yoder, MD
Pediatric Surgeon in Arizona and Kansas, USA

Dr. Yoder graduated from Jefferson Medical College in Philadelphia and completed her surgical residency at the University of California San Diego. After spending one year at the Fetal Treatment Center at the University of California San Francisco Dr. Yoder completed a surgical critical care fellowship at Children’s Mercy Hospital in Kansas City and then her pediatric surgery fellowship at Yale. Dr. Yoder then joined the pediatric surgery practice at the Rocky Mountain Hospital for Children in Denver Colorado. After four years in Denver, Dr. Yoder moved back to California to pursue her interest in international surgical initiatives. Currently, Dr. Yoder works as a locum tenens pediatric surgeon in Arizona and Kansas while continue her involvement in various international surgery projects. She is an active member in the SAGES Global Affairs Committee having traveled to Mongolia four times to teach laparoscopic surgery in that country. Besides Mongolia, Dr. Yoder has participated in surgical outreach in Bolivia, Vietnam, Belize, Tanzania, and Haiti. Dr. Yoder remains active in the education committee and the CME committee of IPEG. Outside of surgery, Dr. Yoder enjoys surfing, skiing, hanging out with her dog and training for triathlons.
2014 Meeting Leaders

PROGRAM COMMITTEE

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Keith E. Georgeson, MD
Miguel Guelfand, MD
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Hiroo Uchida, MD
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Kenneth Wong, MD
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C.K. Yeung, MD

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AMERICAS REPRESENTATIVE: Timothy D. Kane, MD
EUROPE REPRESENTATIVE: Holger Till, MD, PhD
WORLD-AT-LARGE REPRESENTATIVE: Edward Esteves, MD
WORLD-AT-LARGE REPRESENTATIVE: Long Li, MD
CME CHAIR: Celeste Hollands, MD
PAST PRESIDENT: Tadashi Iwanaka, MD, PhD

PAST PRESIDENTS

Tadashi Iwanaka, MD, PhD (2013)*
Carroll M. Harmon, MD, PhD (2012)*
Gordon A. MacKinlay, OBE (2011)*
Marcelo Martinez Ferro, MD (2010)*
George W. Holcomb III, MD (2009)*
Jean-Stephane Valla, MD (2008)*
Atsuyuki Yamataka, MD (2007)*
Keith Georgeson, MD (2006)*
Klaas (N) M.A. Bax, MD (2005) – Retired
C.K. Yeung, MD (2004)*
Craig Albanese, MD (2003)*
Vincenzo Jasonni, MD (2002) – Retired
Peter Borzi, MD (2001)*
Steven Rothenberg, MD (2000)*
Juergen Waldschmidt, MD (1999) – Deceased
Hock L. Tan, MD (1998) – Retired
Takeshi Miyano, MD (1997) – Retired
Steven Rubin, MD (1996) – Retired
Gunter-Heinrich Willital, MD (1995)*

*Active Past Presidents
2014 IPEG Faculty

TENTATIVE

Hossein Allal, MD – Montpellier, France
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Georges Azzie, MD – Toronto, Canada
Maria Marcela Bailez, MD – Buenos Aires, Argentina
Katherine A. Barsness, MD – Chicago, IL, USA
Matthew S. Clifton, MD – Atlanta, GA, USA
David C. G. Crabbe, MD – Leeds, United Kingdom
Mark Davenport, MD – London, United Kingdom
Karen A. Diefenbach, MD – Columbus, OH, USA
Jens Dingemann, MD – Hannover, Germany
Alex Djakovic, MD – Chicago, IL, USA
Simon Eaton, MD – London, United Kingdom
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Paula Flores, MD – Buenos Aires, Argentina
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Joachim F. Kuebler, MD – Hannover, Germany
Martin Lacher, MD – Hannover, Germany
Pablo Laje, MD – Philadelphia, PA, USA
Andreas Leutner, MD – Dortmund, Germany
Charles M. Leys, MD – Madison, WI, USA
Long Li, MD – Beijing, China
Tobias Luithle, MD – Tuebingen, Germany
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Maximillano Marcic, MD – Buenos Aires, Argentina
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Carolina A. Millan, MD – Buenos Aires, Argentina
Go Miyano, MD – Tokyo, Japan
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Holger Till, MD, PhD – Graz, Austria
Rick Turnock, MD – Liverpool, United Kingdom
Benno Ure, MD, PhD – Hannover, Germany
Reza M. Vahdad, MD – Bochum, Germany
David C. van der Zee, MD, PhD – Utrecht, The Netherlands
Mark L. Wulkan, MD – Atlanta, GA, USA
Atsuyuki Yamataka, MD – Tokyo, Japan
Suzanne M. Yoder, MD – Venice, CA, USA
Schedule—at-a-Glance

PRE-MEETING COURSE

Tuesday, July 22
4:00 pm – 8:00 pm  Postgraduate Lecture: MIS in Infants and Neonates

IPEG’S 23rd ANNUAL CONGRESS

Wednesday, July 23
8:00 am – 11:00 am  Hands On Lab: Critical Technical Skills for Neonatal and Infant Minimally Invasive Surgery  
8:00 am – 11:00 am  Simulator Hands On Lab: Advanced Neonatal High Fidelity Course for Advanced Learners  
8:00 am – 11:00 am  Simulator Hands On Lab: Innovations in Simulation-Based Education for Pediatric Surgeons  
1:00 pm – 5:00 pm  Joint IPEG/BAPS Opening Ceremony/Welcome Reception in the Exhibit Hall

Thursday, July 24
7:00 am – 8:00 am  Morning Scientific Video Session I: Coolest Tricks, Extraordinary Procedures  
8:00 am – 8:05 am  Welcome Address  
8:05 am – 9:00 am  Scientific Session: Gastrointestinal  
9:00 am – 9.30 am  Presidential Address & Lecture  
9:30 am – 10.00 am  Break  
10:00 am– 11:30 am  Basic Science and Misc  
11:30 am – 12:30 pm  Lunch Break  
12:00 pm – 1:00 pm  Top 1–20 Posters: Digital Presentation  
1:00 pm – 3:00 pm  IPEG/BAPS Presidential Debate: “Esophageal and Diaphragmatic Surgery – Thoracoscopic vs. Open”  
3:00 pm – 3:30 pm  Break  
3:30 pm – 5:00 pm  IPEG/BAPS Best Clinical Paper Session  
5:00 pm – 5:30 pm  Karl Storz Lecture

Friday, July 25
7:00 am – 8:00 am  Morning Scientific Video Session II  
8:00 am – 8:30 am  Scientific Session: Urogenital  
8:30 am – 9:00 am  Break  
9:00 am– 11:00 am  Scientific Session: Gastrointestinal & Hepatobiliary II  
11:00 am – 12:00 pm  Scientific Session: Panel – “Laparoscopy in the Neonate and Infant: What’s New?”  
12:00 pm – 1:00 pm  Lunch Break  
12:00 pm – 1:00 pm  Top 21–40 Posters: Digital Presentation  
1:00 pm – 1:30 pm  Keynote Lecture: “Lean Processes in the Hospital”  
1:30 pm – 2:30 pm  Panel: Single Site Surgery  
2:30 pm – 3:00 pm  Scientific Session: Thorax  
3:00 pm – 4:00 pm  Break  
4:00 pm – 5:00 pm  Scientific Session: Bariatric, Robotics & Alternative Technologies  
5:00 pm – 6:00 pm  Panel: Live Surgery  
8:00 pm – 11:30 pm  Main Event: Celeigh and IPEG Dance Off – After Hours! (Black Tie and Kilts Are Optional)

Saturday, July 26
8:00 am – 9:00 am  Miscellaneous: Short Oral Papers  
9:00 am – 9:30 am  General Assembly: Presentation of the IPEG 2015 President  
9:30 am – 9:45 am  Awards: Coolest Tricks/Basic Science/IRCAD  
9:45 am – 11:15 am  Saturday Movie Matinee: “Complications – My Worst Nightmare” – Complicated Cases, Pitfalls and Unusual Solutions  
11:15 am  Closing Remarks
PRE-MEETING COURSE

Tuesday, July 22
4:00 pm – 8:00 pm

POSTGRADUATE LECTURE: MIS in Infants and Neonates
CHAIR: Katherine A. Barsness, MD

DESCRIPTION: This course includes a series of didactic lectures that focus on the successful strategies for implementing neonatal minimally invasive surgery. Each speaker will discuss preoperative concerns, intraoperative set up and patient positioning, as well as tips and tricks for successfully overcoming any barriers to completing a neonatal MIS procedure. This course is designed for beginning and advanced MIS pediatric surgeons who are looking to expand their knowledge on the skills, techniques, and strategies for neonatal minimally invasive surgery.

OBJECTIVES
By the conclusion of the course, participants will be able to:
• Articulate proper intra-operative set-up for a variety of neonatal MIS procedures
• Describe appropriate patient positioning and port placement for a variety of neonatal MIS procedures
• Describe common barriers to success for a variety of neonatal MIS procedures, and describe strategies to overcome these barriers
• Understand how to add simulation-based educational strategies to their current practice.

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<th>TIME</th>
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<tr>
<td>4:00 pm</td>
<td>Duodenal Atresia</td>
<td>Karen A. Diefenbach, MD</td>
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<td>4:30 pm</td>
<td>Tracheoesophageal Fistula</td>
<td>Philipp O. Szavay, MD</td>
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<td>5:00 pm</td>
<td>Urology MIS</td>
<td>Joachim F. Kuebler, MD</td>
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<td>5:45 pm</td>
<td>Neonatal Robotics</td>
<td>John J. Meehan, MD</td>
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<td>6:15 pm</td>
<td>Diaphragmatic Hernia</td>
<td>Matthew S. Clifton, MD</td>
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<td>6:45 pm</td>
<td>Simulation-based Education</td>
<td>Katherine A. Barsness, MD</td>
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<td>7:15 pm</td>
<td>Q&amp;A</td>
<td>All</td>
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IPEG’S 23rd ANNUAL CONGRESS

Wednesday, July 23
8:00 am – 11:00 am

HANDS ON LAB: Critical Technical Skills for Neonatal and Infant Minimally Invasive Surgery
CHAIR: Karen A. Diefenbach, MD
CO-CHAIRS: Go Miyano, MD and David C. van der Zee, MD, PhD

DESCRIPTION: Learn the critical skills necessary to safely perform operations in newborn infants, including instrument and suture selection, port placement, intracorporeal suturing, and instrument handling skills. Neonatal simulation models and 3 mm instruments will be used at all stations. Performance metrics will be assessed at the completion of the course.

OBJECTIVES
At the conclusion of this session, participants will be able to:
• Choose appropriate instruments for neonatal and infant laparoscopy and thoracoscopy
• Demonstrate improved instrument handling within the confines of a newborn chest or abdomen
• Perform a successful intracorporeal knot.

FACULTY: Alex Djakovic, MD; Peter Thomas Esslinger, MD; Justin T. Gerstle, MD; Stefan Gfroerer, MD; Joachim F. Kuebler, MD; Andreas Leutner, MD; Martin L. Metzelder, MD; Reza M. Vahdad, MD; and David C. van der Zee, MD, PhD

8:00 am – 11:00 am

SIMULATOR HANDS ON LAB: Advanced Neonatal High Fidelity Course for Advanced Learners
CHAIR: Katherine A. Barsness, MD
CO-CHAIRS: Georges Azzie, MD and Pablo Laje, MD

DESCRIPTION: This course is designed for advanced MIS pediatric surgeons who are about to begin, or have already begun, to introduce laparoscopic duodenal atresia repair, thoracoscopic diaphragmatic hernia repair (with and without a patch), thoracoscopic TEF repair, and/or thoracoscopic lobectomy. All participants must provide a Departmental Chief’s letter documenting expertise in basic MIS procedures, to be eligible to attend this course. Performance metrics will be assessed at the completion of the course.
OBJECTIVES
At the conclusion of this session, participants will be able to:
• Choose appropriate instruments for neonatal laparoscopy and thoracoscopy
• Demonstrate improved instrument handling and knot tying skills within the confines of a newborn chest or abdomen
• Demonstrate and describe port placement for common neonatal procedures.

FACULTY: Georges Azzie, MD; Maria Marcela Bailez, MD; Matthew S. Clifton, MD; Pablo Laje, MD; Tobias Luithle, MD; Matthijs W. N. Oomen, MD; and Philipp O. Szavay, MD

1:00 pm – 5:00 pm
SIMULATOR HANDS ON LAB: Innovations in Simulation–Based Education for Pediatric Surgeons
CHAIR: Katherine A. Barsness, MD
CO–CHAIRS: Karen A. Diefenbach, MD and Carolina A. Millan, MD

DESCRIPTION: Practice your MIS skills and learn some new ones at the Innovations in Simulation–based educational course. Simulation–based instruction will include advanced surgical techniques for TEF, duodenal atresia, diaphragmatic hernia, choledochojejunostomy, pyloromyotomy, single incision surgical techniques, gastrostomy, technical skills models, and many more innovative models. Participants of all levels of MIS skill are encourage to attend the course.

OBJECTIVES
At the conclusion of this session, participants will be able to:
• Choose appropriate instruments for neonatal and infant laparoscopy and thoracoscopy
• Demonstrate improved instrument handling and knot tying skills within the confines of a newborn chest or abdomen
• Describe port placement for TEF and duodenal atresia operations.

FACULTY: Hossein Allal, MD; Georges Azzie, MD; Maria Marcela Bailez, MD; Katherine A. Barsness, MD; Matthew S. Clifton, MD; Karen A. Diefenbach, MD; Paula Flores, MD; Justin T. Gerstle, MD; Pablo Laje, MD; Charles M. Leys, MD; Tobias Luithle, MD; Maximillano Marcic, MD; Marcelo Martinez Ferro, MD; Marc P. Michalsky, MD; Milissa A. McKee, MD; Carolina A. Millan, MD; Oliver J. Muensterer, MD; Shaw D. St Peter, MD; Philipp O. Szavay, MD; Holger Till, MD, PhD; and Suzanne M. Yoder, MD

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<tr>
<th>STATIONS/FACULTY</th>
<th>STATION</th>
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<tbody>
<tr>
<td>Hossein Allal, MD</td>
<td>TEF doll Model</td>
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<tr>
<td>Georges Azzie, MD</td>
<td>PLS</td>
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<tr>
<td>Maria Marcela Bailez, MD</td>
<td>TEF trainer Duodenal atresia trainer Hybrid for single site cholecystectomy Hepaticojejunostomy model</td>
</tr>
<tr>
<td>Katherine A. Barsness, MD</td>
<td>DH DA TEF Gastrostomy Tube</td>
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<td>Karen A. Diefenbach, MD</td>
<td>Skills Intestine CDH</td>
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<tr>
<td>Marc P. Michalsky, MD</td>
<td>Ethicon band Model Covidien SILS Olympus single port Applied medical single site Magnet Model Pectus Model</td>
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<tr>
<td>Marcelo Martinez Ferro, MD, Paula Flores, MD, and Maximillano Marcic, MD</td>
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5:00 pm – 7:00 pm
Joint IPEG/BAPS Opening Ceremony/Welcome Reception
Complete Schedule

Thursday, July 24

7:00 am – 8:00 am  MORNING SCIENTIFIC VIDEO SESSION I: Coolest Tricks, Extraordinary Procedures
CHAIRS: Todd A. Ponsky, MD and Atsuyuki Yamataka, MD

8:00 am – 8:05 am  Welcome Address
Benno Ure, MD, PhD, 2014 President

8:05 am – 9:00 am  SCIENTIFIC SESSION: Gastrointestinal
CHAIRS: George W. Holcomb III, MD and Juergen Schleef, MD

9:00 am – 9:30 am  Presidential Address & Lecture
Benno Ure, MD, PhD, 2014 President

9:30 am – 10:00 am  Break

10:00 am – 11:30 am  Basic Science and Misc
CHAIRS: Aayed R. Al-Qahtani, MD and Daniel J. Ostlie, MD

11:30 am – 12:30 pm  Lunch Break

12:00 pm – 1:00 pm  TOP 1–20 POSTERS: Digital Presentation
CHAIR: Oliver J. Muensterer, MD

1:00 pm – 3:00 pm  IPEG/BAPS PRESIDENTIAL DEBATE: “Esophageal and Diaphragmatic Surgery – Thoracoscopic vs. Open”
CHAIRS: Benno Ure, MD, PhD (IPEG) and Rick Turnock, MD (BAPS)
DESCRIPTION: This panel will discuss the pros and cons of thoracoscopic surgery for esophageal atresia and diaphragmatic hernia in the newborn. The discussion will include technical aspects, the pathophysiological responses of newborns and data on the outcome.
OBJECTIVES
At the conclusion of this session, participants will be able to:
• Appropriately apply thoracosopic techniques for esophageal atresia and diaphragmatic hernia in newborns
• Apply these techniques to relevant cases
• Decide on when to convert to open surgery and how to monitor pathophysiological responses and to how to react appropriately.

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<tr>
<th>TIME</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>TEF Repair</td>
<td>Steven Rothenberg, MD</td>
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<td>1:15 pm</td>
<td>Open TEF Repair</td>
<td>Mark Davenport, MD</td>
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<tr>
<td>1:30 pm</td>
<td>CDH Repair</td>
<td>Mark L. Wulkan, MD</td>
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<tr>
<td>1:45 pm</td>
<td>Open CDH Repair</td>
<td>David C. C. Crabbe, MD</td>
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<tr>
<td>2:00 pm</td>
<td>Pathophysiology in Newborns During Surgery</td>
<td>Agostino Pierro, MD</td>
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<td>2:15 pm</td>
<td>Q&amp;A</td>
<td>All</td>
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3:00 pm – 3:30 pm  Break

3:30 pm – 5:00 pm  IPEG/BAPS Best Clinical Paper Session
CHAIRS: Philipp O. Szavay, MD (IPEG) and Simon Eaton, MD (BAPS)
INTRODUCTION: Gordon A. MacKinlay, OBE

5:00 pm – 5:30 pm  KARL STORZ LECTURE
SPEAKER: TBD
Friday, July 25

7:00 am – 8:00 am  
**Morning Scientific Video Session II** 
CHAIRS: Katherine A. Barsness, MD and Holger Till, MD, PhD

8:00 am – 9:30 am  
**SCIENTIFIC SESSION: Urogenital** 
CHAIRS: Miguel Guelfand, MD and Martin L. Metzelder, MD

9:30 am – 10:00 am  
**Break**

10:00 am – 11:00 am  
**SCIENTIFIC SESSION: Gastrointestinal & Hepatobiliary II** 
CHAIRS: Karen A. Diefenbach, MD and Long Li, MD

11:00 am – 12:00 pm  
MODERATOR: David C. van der Zee, MD, PhD

**DESCRIPTIONS:** This panel will provide an update of the most recent developments in neonatal minimally invasive surgery.

**OBJECTIVES**  
At the conclusion of this session, participants will be able to:
- Describe the technique for a safe anastomosis with low risk of postoperative leakage
- Define the different steps of the procedure
- Avoid using too high pressures in neonates.

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<tr>
<th>TIME</th>
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<tr>
<td>11:00 am</td>
<td>MIS in the Neonate and Infant: What’s New – Introduction</td>
<td>David C. van der Zee, MD, PhD</td>
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<tr>
<td>11:05 am</td>
<td>Approaches to Long Gap Esophageal Atresia</td>
<td>David C. van der Zee, MD, PhD</td>
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<tr>
<td>11:20 am</td>
<td>Thoracoscopy Indications and Techniques for Rare Conditions</td>
<td>Timothy D. Kane, MD</td>
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<tr>
<td>11:35 am</td>
<td>Laparoscopy in the Neonate – Indications, Techniques</td>
<td>Milissa A. McKee, MD</td>
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<td>11:50 am</td>
<td>Round Table Discussion</td>
<td>All</td>
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12:00 pm – 1:00 pm  
**Lunch Break**

12:00 pm – 1:00 pm  
**TOP 21-40 POSTERS: Digital Presentation** [NON CME]
CHAIR: Joachim F. Kuebler, MD

1:00 pm – 1:30 pm  
**KEYNOTE LECTURE: “Lean Processes in the Hospital”**  
SPEAKER: Dirk Pfitzer, Porsche Consulting GmbH.

Dirk Pfitzer is a partner at PORSCHE CONSULTING and responsible for the center of competence in the field of health care/chemicals/medical technique. He joined PORSCHE CONSULTING 9 years ago after 5 years working at a major consulting and strategy company. He studied business management at the University of Bayreuth, Germany and Madrid, Spain. PORSCHE CONSULTING is a 100% subsidiary of PORSCHE Corp. and belongs to the leading consulting companies for operative excellence. Dirk Pfitzer was in charge for a variety of projects regarding the improvement of efficiency and competitiveness in the field of health care providers. He and his team could successfully accomplish projects in more than 70 hospitals, either private or university hospitals. The spectrum of their activities comprises projects in order to reduce costs and increase proceeds as well as to implement improvements at a process level.

1:30 pm – 2:30 pm  
**PANEL: Single Site Surgery**  
MODERATOR: Todd A. Ponsky, MD

**DESCRIPTIONS:** Designed for practicing pediatric surgeons who have an interest in advanced laparoscopy. Specifically this session will address the pros and cons of single port laparoscopy in children.

**OBJECTIVES**  
At the conclusion of this session, participants will be able to:
- Identify situations where there is an increased risk of injury to the bowel or bile ducts from single site surgery in pediatric patients. (patient safety)
- Articulate the application of single site surgery in children
- Compare single site surgery to standard laparoscopy in children in regards to technical feasibility and patient outcome.

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<tr>
<td>1:30 pm</td>
<td>Current Practice with Impact on Routine</td>
<td>Martin Lacher, MD</td>
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<td>1:45 pm</td>
<td>How Far Can We Go?</td>
<td>Carroll M. Harmon, MD, PhD</td>
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<td>2:00 pm</td>
<td>A Critical Appraisal</td>
<td>Shawn D. St. Peter, MD</td>
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<td>2:15 pm</td>
<td>Q&amp;A</td>
<td>All</td>
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</table>
Complete Schedule

2:30 pm – 3:30 pm  **SCIENTIFIC SESSION: Thorax**  
CHAIRS: Timothy D. Kane, MD and Pablo Laje, MD

3:30 pm – 4:00 pm  **Break**

4:00 pm – 5:00 pm  **SCIENTIFIC SESSION: Bariatric, Robotics & Alternative Technologies**  
CHAIRS: John J. Meehan, MD and Holger Till, MD, PhD

5:00 pm – 6:00 pm  **PANEL: Live Surgery**  
MODERATOR: Marcelo Martinez Ferro, MD

DESCRIPTION: This panel will discuss the current status and the real value of Live Surgery as an education tool for Pediatric Minimally Invasive Surgeons.

OBJECTIVES
At the conclusion of this session, participants will be able to:
- Identify special settings needed to perform live case demonstrations
- Develop a “Live case Surgical Time Out” a specific “Check list” for live case demonstrations to enhance patient safety
- Recognize the real educational value of live case demonstrations in their practice
- Recommend specific “IPEG Live case demonstrations guidelines”.

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<th>TIME</th>
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<tr>
<td>5:00 pm</td>
<td>Introduction</td>
<td>Marcelo Martinez Ferro, MD</td>
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<td>5:02 pm</td>
<td>State of the Art</td>
<td>Steven Rothenberg, MD</td>
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<td>5:14 pm</td>
<td>Ethical Implications</td>
<td>Co Miyano, MD</td>
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<td>5:26 pm</td>
<td>Pitfalls and Complications</td>
<td>Maria Marcela Bailez, MD</td>
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<td>5:38 pm</td>
<td>IPEG Survey</td>
<td>Jens Dingemann, MD</td>
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<td>5:50 pm</td>
<td>Q&amp;A</td>
<td>All</td>
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8:00 pm – 11:30 pm  **Main Event**  
Celeigh and IPEG Dance Off – After Hours! (Black Tie and Kilts Optional)

Saturday, July 26

8:00 am – 9:00 am  **MISCELLANEOUS: Short Oral Papers**  
CHAIRS: Celeste Hollands, MD and Sean S. Marven, MD

9:00 am – 9:30 am  **General Assembly**  
Presentation of the IPEG 2015 President

9:30 am – 9:45 am  **Awards**  
Coolest Tricks, Basic Science and IRCAD

9:45 am – 11:15 am  **SATURDAY MOVIE MATINÉE: Complications: “My Worst Nightmare“ – Complicated Cases, Pitfalls and Unusual Solutions**  
*Popcorn and soft drinks will be provided*

CHAIRS: Philipp O. Szavay, MD and Mark L. Wulkan, MD

DESCRIPTION: This session is designed to show videos of operations where a complication occurred. The causes and strategies to prevent those complications will be discussed.

OBJECTIVES
At the conclusion of this session, participants will be able to:
- Identify strategies to decrease conversion rates due to complications occurring during MIS.
- Describe techniques to manage complications safely and appropriately (patient safety).
- Identify technical strategies to manage complications.
- Apply techniques learned in the situation of a complication.
- Predict cases, where a complication might be anticipated. (patient safety)

11:15 am  **Closing Remarks**
How to Register

HOTEL RESERVATION
To access the below hotels’ reservation links, please visit our website: www.ipeg.org/accommodations

Hilton Edinburgh Grosvenor
Grosvenor Street Haymarket, Edinburgh EH12 5EF, United Kingdom
T: (44) 131 527 1401  F: (44) 131 220 2387
ROOM RATE: inclusive VAT and daily Scottish breakfast
• Single (sole occupancy) – GBP 105 (approx US$175)
• Double (sole occupancy) – GBP 130 (approx US$215)
• Double (double occupancy) – GBP 140 (approx US$229)

Waldorf Astoria Hotel – The Caledonian
Princes Street, Edinburgh, EH1 2AB, United Kingdom
T: (44) 131 222 8890  F: (44) 131 222 8889
ROOM RATE: inclusive VAT and daily Scottish breakfast
• Single or Double – GBP 190 (approx. US$310)

The Point Hotel Edinburgh – A Converting to DoubleTree by Hilton Hotel
34 Bread Street, Edinburgh, EH3 9AF, United Kingdom
T: (44) 131 221 5555  F: (44) 131 221 9929
CONTACT: groups@pointhoteledinburgh.co.uk (attention: Michele Weichsel)
ROOM RATE: inclusive VAT and daily Scottish breakfast
• Single – GBP 169 (approx US$275)
• Double – GBP 179 (approx US$295)

TERMS & CONDITIONS
■ The special IPEG rates are on first-come-first served basis and we highly recommend you to make your reservation by Monday, June 9, 2014 or earlier. (www.ipeg.org/accommodations)
■ You may be able to secure reservations through the hotel directly, based on availability and prevailing rate.
■ The hotel reserves the right to cancel or modify reservations where it appears that a customer has engaged in fraudulent or inappropriate activity or under other circumstances where it appears that the reservations contain or resulted from a mistake or error.
■ Please read carefully the individual hotel’s policy publish on its website.

MEETING REGISTRATION
There are various ways to register for the 23rd Annual Congress for Endosurgery in Children
1. ONLINE at www.ipeg.org/registration
2. FAX a completed registration form to +1 310.437.0585
3. SCAN a complete registration form and email it to registration@ipeg.org
4. MAIL a complete registration form to IPEG: 11300 W. Olympic Blvd, Suite 600, Los Angeles, CA 90064, USA Attention: Registrar
If you have any questions, please contact the IPEG Registrar at registration@ipeg.org or call +1 310.437.0553, ext. 128.

SOCIAL PROGRAMS
IPEG/BAPS Opening Ceremony
Welcome Reception
Wednesday, July 23, 2014  5:00 pm – 7:00 pm

MAIN EVENT:
Cleigh and IPEG Dance Off – After Hours!
Black Tie and Kilts Are Optional
Friday, July 25, 2014  8:00 pm – 11:30 pm
## PERSONAL CONTACT INFORMATION

<table>
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<tr>
<th>MD</th>
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<th>OTHER</th>
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**FIRST GIVEN NAME**  **FAMILY LAST NAME**  **TITLE**

**INSTITUTION**

**ADDRESS**

**CITY**  **STATE**  **ZIP**  **COUNTRY**

**PHONE** (including Country code)  **FAX**  **EMAIL**

## REGISTRATION

All those registered to either the IPEG or BAPS meeting will have access to the Wednesday BAPS Sessions, Thursday–Friday Scientific Sessions, Saturday IPEG sessions, Exhibits and Wednesday Welcome Reception; Joint Congress breaks and lunches, Poster sessions, and Main Event. **IPEG Postgraduate lectures and Hands-On Courses will be charged additionally.**

### STEP 1 (required): Register under the appropriate category

<table>
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<tr>
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<tr>
<td><strong>Member Rates:</strong></td>
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<td>Surgeon – US$495</td>
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<td>SIT – US$225</td>
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<td>Allied Health – US$225</td>
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<td><strong>Non–Member Rates:</strong></td>
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<td>Surgeon – US$695</td>
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<td>SIT – US$400</td>
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<td>Allied Health – US$400</td>
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### STEP 2: Register for Postgraduate Lectures and Hands-On Courses Fees – SPACE IS LIMITED!

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<tr>
<td><strong>A. POSTGRADUATE LECTURE:</strong> “MIS in Infants and Neonates” (Lecture ONLY) ★</td>
<td>US$195</td>
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<tr>
<td>Tuesday, July 22, 2014</td>
<td>4:00 pm – 8:00 pm</td>
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<tr>
<td><strong>B. POSTGRADUATE LECTURE:</strong> “MIS in Infants and Neonates” ★★</td>
<td>US$395</td>
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<td>Tuesday, July 22, 2014</td>
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**Critical Technical Skills for Neonatal and Infant Minimally Invasive Surgery**

**Wednesday, July 23, 2014**  **8:00 am – 11:00 am**

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<tr>
<td><strong>C. POSTGRADUATE LECTURE:</strong> “MIS in Infants and Neonates” ★★★</td>
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<td>4:00 pm – 8:00 pm</td>
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**Critical Technical Skills for Neonatal and Infant Minimally Invasive Surgery**

**Wednesday, July 23, 2014**  **8:00 am – 11:00 am**

**Innovations in Simulation–Based Education for Pediatric Surgeons**

**Wednesday, July 23, 2014**  **1:00 pm – 5:00 pm**

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<td><strong>D. POSTGRADUATE LECTURE:</strong> “MIS in Infants and Neonates” ★★★★</td>
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**Innovations in Simulation–Based Education for Pediatric Surgeons**

**Wednesday, July 23, 2014**  **1:00 pm – 5:00 pm**

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<tr>
<td><strong>E. POSTGRADUATE LECTURE:</strong> “MIS in Infants and Neonates” ★★★★★</td>
<td>US$695</td>
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<td>Tuesday, July 22, 2014</td>
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**Advanced Neonatal High Fidelity Course for Advanced Learners**

**Wednesday, July 23, 2014**  **8:00 am – 11:00 am**

**Innovations in Simulation–Based Education for Pediatric Surgeons**

**Wednesday, July 23, 2014**  **1:00 pm – 5:00 pm**
IPEG’s 23<sup>rd</sup> Annual Congress for Endosurgery in Children  ■ July 22-26, 2014

STEP 3: Register Guests (US$175 per ticket; US$25 for children under 12)
- Guest 1 (Full Name): ____________________________
- Guest 2 (Full Name): ____________________________

*Guest ticket includes opening reception and main event entrance

STEP 4: RSVP For Social Events (No extra charge)
- Opening Reception in the Exhibit Hall: Wednesday, July 23, 2014 ■ 5:00 pm – 7:00 pm
- Main Event: Friday, July 25, 2014 ■ 8:00 pm – 11:30 pm

STEP 5: Late Fees (if applicable)
- After June 9, 2014 and before July 8, 2014
- After July 8, 2014 and on-site

STEP 6: IPEG Contribution
- Yes, I would like to make contribute to the IPEG’s Long Term Research Fund (LTRF). I understand that my contribution will be acknowledged in the final program. I authorize IPEG to charge this amount to my credit card listed below.

STEP 7: IPEG Membership
- Yes, I would like to become an IPEG member at the discounted conference rate
- Yes, I would like to become BOTH IPEG and BAPS member at the discounted conference rate

TOTAL AMOUNT DUE: US$ __________

PAYMENT INFORMATION
I authorize IPEG to charge the following card number for a total amount of US$ ________________
- Visa  □ MasterCard  □ Am. Express

CARD NUMBER
Exp. Date: ____________ Security Code: ____________ (A 3 or 4 digit number printed on the front or back of the card)

Cardholder’s Full Name: _____________________________________________

Authorized Signature: _____________________________

TERMS & CANCELLATION
Payment in full must accompany registration form. Meeting registration available in advance of the meeting through Monday, June 9, 2014. After June 9, 2014, attendees must register on-site with an additional charge of US$100. Cancellations must be submitted in writing before June 9, 2014 to receive a refund minus a US$75 administrative fee. No refunds will be granted after June 9, 2014; no-shows at the conference; Post-graduate Course; Hands-on Courses; and unused portion of the meeting.

MEETING REGISTRATION
There are various ways to register for the 23<sup>rd</sup> Annual Congress for Endosurgery in Children

1. ONLINE at www.ipeg.org/registration
2. FAX a completed registration form to +1 310.437.0585
3. SCAN a complete registration form and email it to registration@ipeg.org
4. MAIL a complete registration form to IPEG: 11300 W. Olympic Blvd, Suite 600, Los Angeles, CA 90064, USA Attention: Registrar

If you have any questions, please contact the IPEG Registrar at registration@ipeg.org or call +1 310.437.0553, ext. 128.