Invitation

www.isie-symposium.com

Munich – Germany
September 18–20, 2013

7th International Symposium for Interventional Electrophysiology

Program Chairs

Thorsten Lewalter, MD, PhD
Isar Heart Center, Munich
University of Bonn, Bonn, Germany

Sanjeev Saksena, MD
UMDNJ, Robert Wood Johnson School of Medicine,
Electrophysiology Research Foundation
New Brunswick, Warren, NJ, USA
Welcome Address

Dear Colleagues,

We are very pleased to invite you to the Seventh International Symposium for Interventional Electrophysiology which will be held in Munich, Germany, September 18–20, 2013. The meeting venue will be the Hotel Hilton Park in Munich. This meeting is being organised by the Isar Heart Center and the Electrophysiology Research Foundation in New Jersey and is co-sponsored by the University of Bonn, Germany and UMDNJ-Robert Wood Johnson School of Medicine, New Brunswick, NJ.

The symposium will maintain its focus on new technologies, innovative therapy, and new scientific directions in research in the management of cardiac arrhythmias. We are certain that this will be an important and stimulating educational event. The proceedings of the symposium will be published in a special issue of the Journal of Interventional Electrophysiology.

We hope you will join the symposium and are looking forward to meet you at the meeting.

With warm personal regards,

Thorsten Lewalter, MD, PhD
Sanjeev Saksena, MD
Wednesday, September 18

4 Featured Workshops complemented by case studies and live cases
Objective: Designed to showcase new drugs, technologies and/or teach new antiarrhythmic therapy, complex or new procedures in cardiac rhythm management and cardiology
Cardiovascular and Electrophysiology Fellows Course

Thursday, September 19

Didactic lectures and interactive discussions
• Basic science and Pharmacology
• New Technology
  _ Atrial Fibrillation: Pharmacology and Clinical trials of Anticoagulants
  _ Pacing & ICD Therapy: New technology (wireless devices and MRI safe devices and leads, applications of remote monitoring, current Registries and clinical trials) Ventricular Fibrillation and Sudden Death

Friday, September 20

Objectives: Integrating advances in basic science and technology into an evidence based world
Sessions: V, VI, VII
• Catheter ablation: clinical trials
• Heart failure clinical trials
• Outcomes and Clinical Trials in Electrophysiology and Pacing
Course Directors

Thorsten Lewalter
Sanjeev Saksena

International Faculty

Martin Bergmann, Hamburg, DE
Leif-Hendrik Boldt, Berlin, DE
Johannes Brachmann, Coburg, DE
A. John Camm, London, GB
Riccardo Cappato, Milan, IT
Isabell Deisenhofer, Munich, DE
Thomas Deneke, Bad Neustadt, DE
Dobromir Dobrev, Essen, DE
Uwe Dorwarth, Munich, DE
Nico Doll, Stuttgart, DE
Michael Ezekowitz, Wynnewood, PA, US
Andreas Goette, Paderborn, DE
Gerhard Hindricks, Leipzig, DE
Ellen Hoffman, Munich, DE
Werner Jung, Villingen, DE
Raj Kaushik, Passaic, NJ, US
Helmut Klein, Munich, DE
Dhanunjay Lakireddy, Kansas City, KS, US
Thorsten Lewalter, Munich, DE
Sam Lévy, Marseille, FR
Berndt Lüderitz, Bonn, DE
Davendra Mehta, New York, NY, US
Gerald Naccarelli, Hershey, PA, US
Randy Nagarakanti, New Orleans, LA, US
Sanjiv Narayan, San Diego, CA, US
Andrea Natale, MD, Austin, TX, US
Georg Nölker, Bad Oeynhausen, DE
Arne Pfeufer, Munich, DE
Stefan Sack, Munich, DE
Sanjeev Saksena, New Brunswick, NJ, US
Kamal Sethi, New Delhi, IN
Balbir Singh, New Delhi, IN
April Slee, MS, Warren, NJ, US
Gerhard Steinbeck, Munich, DE

Klaus Tiemann, Munich, DE
Ernst Vester, Duesseldorf, DE
Stephen Wildhirt, Munich, DE
Stephan Willems, Hamburg, DE
## Workshop 1:
*Imaging, Mapping and Navigation in the EP Lab – New Techniques and How to Apply Them (An Interactive faculty-audience workshop)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 10:00</td>
<td>Co Chairs: Klaus Tiemann / Balbir Singh</td>
<td>11:00 – 12:30</td>
<td>Co-Chairs: Johannes Brachmann / Sanjeev Saksena</td>
</tr>
<tr>
<td>8:00 – 8:20</td>
<td><strong>Intracardiac Echocardiography</strong>: How to perform ICE guided CRT &amp; LAA imaging from new imaging windows Sanjeev Saksena</td>
<td>11:00 – 11:20</td>
<td>New techniques for Robotic Navigation in AF Andrea Natale</td>
</tr>
<tr>
<td>8:20 – 8:40</td>
<td>Cardiac MRI and Cardiac CT: How to integrate into the EP Lab Klaus Tiemann</td>
<td>11:20 – 11:40</td>
<td>Robotic Navigation with the Hansen system: Learning curves and lessons learned Werner Jung</td>
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<tr>
<td>8:40 – 9:00</td>
<td><strong>Case Demonstration</strong>: Role of 3D TEE to guide interventional procedures Klaus Tiemann</td>
<td>11:40 – 12:00</td>
<td><strong>Case Demonstration</strong>: VF Ablation using Stereotaxis magnetic robotic navigation system Georg Nölker</td>
</tr>
<tr>
<td>9:00 – 9:20</td>
<td><strong>Case Demonstration</strong>: CT reconstruction of LAA morphologies Andrea Natale</td>
<td>12:00 – 12:15</td>
<td><strong>Case Demonstration</strong>: The “Mediguide” Mapping &amp; Ablation Experience Gerhard Hindricks</td>
</tr>
<tr>
<td>9:20 – 9:40</td>
<td><strong>Case Demonstration</strong>: How to perform rotor mapping – the TOPERA technique: Sanjiv Narayanan</td>
<td>12:15 – 12:30</td>
<td><strong>Case Demonstration</strong>: Catheter Ablation using the Amigo Robotic Navigation system using an open architecture ablation catheter concept Leif-Hendrik Boldt</td>
</tr>
<tr>
<td>9:40 – 10:00</td>
<td><strong>Case Demonstration</strong>: High-density mapping of AF – the RHYTHMIA experience tbd</td>
<td>12:30 – 13:30</td>
<td>Lunch</td>
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<tr>
<td>10:00 – 10:20</td>
<td><strong>Mapping and Ablation of VF</strong>: How and For Whom Stephan Willems</td>
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<tr>
<td>10:30 – 11:00</td>
<td>Coffee Break</td>
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**Workshop 2:**
New Directions in Antiarrhythmic Therapy and Stroke Prevention

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 – 10:00</td>
<td>Dronedarone: guideline position and current clinical use</td>
<td>Eckhard Alt / Dobromir Dobrev</td>
</tr>
<tr>
<td>8:00 – 8:30</td>
<td>New Targets for Antiarrhythmic Drug Therapy: Atrial specific agents and substrate modifiers</td>
<td>Dobromir Dobrev</td>
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<tr>
<td>9:00 – 9:30</td>
<td>Fundamentals of cardiac regeneration and repair</td>
<td>Eckhard Alt</td>
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<tr>
<td>9:30 – 10:00</td>
<td>Panel Discussion</td>
<td>Co-Chairs: Michael Ezekowitz / Ernst Vester</td>
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<tr>
<td>10:00 – 10:30</td>
<td>Coffee Break</td>
<td>10:30 – 12:30 Second Generation NOACs: Pharmacology and Clinical Trials</td>
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<tr>
<td>10:30 – 11:00</td>
<td>Second Generation NOACs: Pharmacology and Clinical Trials</td>
<td>Ernst Vester</td>
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<tr>
<td>11:00 – 11:20</td>
<td>Cardioversion of Atrial Fibrillation: Is Dabigatran preferable to Warfarin – The RE-LY Experience:</td>
<td>Thorsten Lewalter</td>
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<tr>
<td>11:20 – 11:45</td>
<td>Factor X inhibitors Rivaroxaban and Apixaban: Clinical trials and application</td>
<td>Ernst Vester</td>
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<tr>
<td>11:45 – 12:00</td>
<td>Clinical Indication for left atrial appendage occlusion</td>
<td>Thorsten Lewalter</td>
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<tr>
<td>12:00 – 12:15</td>
<td>Case Demonstration: Amplatzer device implantation</td>
<td>Thorsten Lewalter</td>
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<tr>
<td>12:15 – 12:30</td>
<td>Panel Discussion</td>
<td>Co-Chairs: Michael Ezekowitz / Ernst Vester</td>
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<tr>
<td>12:30 – 13:30</td>
<td>Lunch</td>
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Wednesday, September 18
## Workshop 3:
**Advanced Catheter Ablation in AF and VT/VF – New Technologies and Intervention Targets**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13:30 – 16:45</td>
<td>Co-Chairs: Andrea Natale / Gerhard Hindricks</td>
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<tr>
<td>13:30 – 14:00</td>
<td><strong>“State of the Art lecture”:</strong> Established and Upcoming Technology for PV Disconnection</td>
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<tr>
<td></td>
<td>Andrea Natale</td>
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<tr>
<td>14:00 – 14:15</td>
<td><strong>Case Demonstration:</strong> Cryo Balloon Technology</td>
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<td>Uwe Dorwarth</td>
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<tr>
<td>14:15 – 14:30</td>
<td><strong>Case Demonstration:</strong> Endoscopic Laser Balloon Ablation</td>
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<td>Thorsten Lewalter</td>
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<tr>
<td>14:30 – 14:45</td>
<td><strong>Panel Discussion</strong></td>
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<tr>
<td>14:45 – 15:15</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>15:15 – 15:45</td>
<td><strong>“State of the Art lecture”:</strong> Substrate Identification and Ablation Strategy in persistent AF</td>
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<td></td>
<td>Michel Haissaguerre</td>
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<tr>
<td>15:45 – 16:00</td>
<td><strong>Case Demonstration:</strong> Ablation of Human AF Rotors</td>
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<td></td>
<td>Sanjiv Narayan</td>
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<tr>
<td>16:00 – 16:15</td>
<td><strong>Case Demonstration:</strong> Ablation of CFAE’s</td>
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<td></td>
<td>Isabell Deisenhofer</td>
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<tr>
<td>16:15 – 16:30</td>
<td><strong>Case Demonstration:</strong> Hybrid therapy for AF treatment</td>
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<td>Sanjeev Saksena</td>
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<tr>
<td>16:30 – 16:45</td>
<td><strong>Panel Discussion</strong></td>
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<tr>
<td>16:45 – 18:00</td>
<td>Co-Chairs: Raj Kaushik / Nico Doll</td>
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<tr>
<td>16:45 – 17:15</td>
<td><strong>“State of the Art lecture”:</strong> Ablation in in persistent AF – the surgeons perspective</td>
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<td>Nico Doll</td>
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<tr>
<td>17:15 – 17:30</td>
<td><strong>Case Demonstration:</strong> Endoscopic Surgical AF Ablation as part of a hybrid strategy</td>
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<td>Stephen Wildhirt</td>
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<tr>
<td>17:30 – 17:45</td>
<td><strong>Case Demonstration:</strong> Stand alone surgical AF ablation</td>
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<td>Nico Doll</td>
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<tr>
<td>17:45 – 18:00</td>
<td><strong>Panel Discussion and Wrap-Up</strong></td>
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**Wednesday, September 18**

Workshop:
**Advanced Catheter Ablation in AF and VT/VF – New Technologies and Intervention Targets**
**Workshop 4:**  
New Devices for Rhythm Monitoring, Bradycardia, Heart Failure and Hypertension

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>13:30 – 14:00</td>
<td>Leadless Microimplants for Pacing and Continuous Rhythm Monitoring and Case Demonstration</td>
<td>Gerhard Steinbeck / Sanjeev Saksena</td>
</tr>
<tr>
<td>13:30 – 14:30</td>
<td>Experience with MRI Safe Devices:</td>
<td>Werner Jung</td>
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<tr>
<td>14:00 – 14:45</td>
<td>Case Demonstration: Renal Denervation</td>
<td>Raj Kaushik</td>
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<tr>
<td>14:45 – 15:15</td>
<td>Coffee Break</td>
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<tr>
<td>15:15 – 17:00</td>
<td>Clinical Experience with Subcutaneous defibrillator</td>
<td>Kamal Sethi / Andreas Goette</td>
</tr>
<tr>
<td>15:15 – 15:30</td>
<td>Wireless Telemetry and Remote Monitoring of ICDs/CRT’s: Practical implementation and environmental interactions:</td>
<td>Riccardo Cappato</td>
</tr>
<tr>
<td>15:30 – 15:50</td>
<td>Cardiac Contractility Modulation/CCM – Pathophysiology, clinical trials and Case demonstration</td>
<td>Stefan Sack</td>
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<tr>
<td>15:50 – 16:10</td>
<td>Bridge therapy in Defibrillation – Increasing role of the LIFEVEST concept</td>
<td>Helmut Klein</td>
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<tr>
<td>16:10 – 16:30</td>
<td>Case Demonstration: Subcutaneous ICD implantation</td>
<td>Riccardo Cappato</td>
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<tr>
<td>16:30 – 16:45</td>
<td>Case Demonstration: Intraoperative Optimization of CRT with ICE</td>
<td>Sanjeev Saksena</td>
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<tr>
<td>16:45 – 17:00</td>
<td>Panel Discussion and Wrap-Up</td>
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**Wednesday, September 18**

Workshop 1:  
New Devices for Rhythm Monitoring, Bradycardia, Heart Failure and Hypertension
Thursday, September 19

8:00 – 8:10  Welcome  
Thorsten Lewalter / Sanjeev Saksena

8:10 – 9:00  Opening Plenary Session  
Interventional EP: Past, Present and Future  
Co-Chairs: John Camm / Gerald Naccarelli

8:10 – 8:25  Introduction:  
Symposium on Interventional Electrophysiology:  
Thorsten Lewalter / Berndt Lüderitz

8:25 – 8:45  Welcome Adress  
tbd

8:45 – 9:00  Keynote Lecture:  
Thromboembolic risk in Interventional Electrophysiology Practice:  
Recent Advances in Diagnosis and Management  
Michael Ezekowitz

9:00 – 10:40  Session I:  
Advances in Basic Science and Regenerative Medicine  
Co-Chairs: Martin Bergmann / Dobromir Dobrev

9:00 – 9:30  Genetics in AF – Current Understanding  
Arne Pfeufier

9:30 – 10:00  The Atrial Substrate and Novel molecular targets for AF therapy  
Dobromir Dobrev

10:00 – 10:30  Stem Cell Therapy for Heart Disease: Current Clinical Status  
Martin Bergmann

10:30 – 11:00  Coffee Break

11:00 – 13:00  Session II:  
New Technologies in Catheter Ablation  
Co-Chairs: Sanjeev Saksena / Stephan Willems

11:00 – 11:20  Mediguide – Impact on Catheter Ablation Techniques and Workflow  
Dhanunjay Lakireddy

11:20 – 11:40  Stereotactic and Robotic Systems for Catheter Manipulation  
Georg Nölker

11:40 – 12:00  Endoscopic Ablation Systems  
Thorsten Lewalter
12:00 – 12:30 Renal Denervation –
New Tools and new
applications
tbd
12:30 – 13:00 Contact force measure-
ment – the final missing
link in catheter ablation?
tbd
13:00 – 14:00 Lunch

14:00 – 15:50 Session III:
Atrial Fibrillation: Pharma-
cology and Clinical trials
of Anticaogulants
Co-Chairs: Michael Ezeko-
witz / Johannes Brachmann
14:00 – 14:20 Clinical Trials with Atrial
Specific Agents
Dobromir Dobrev
14:20 – 14:40 RAAS Inhibitors and Fish
Oils: Do They Have a Role
in Preventing AF?
Gerald Naccarelli
14:40 – 15:00 Newer antithrombotics
and their antidotes:
current status
Sam Lévy
15:00 – 15:30 Keynote Lecture:
Guidelines for antiarrhyth-
mic and anticoagulant
therapy: Trial evidence
versus Post marketing
Surveillance
A. John Camm
15:30 – 15:50 Panel Discussion
15:50 – 16:15 Coffee Break

16:15-18:00 Session IV:
Pacing and Defibrillation
Co-Chairs: Sanjeev Saksena/
Berndt Lüderitz
16:15 – 17:10 Left ventricular or biventricular pacing? Single or
multielectrode leads?
An implanter’s viewpoint
Kamal Sethi
17:10 – 17:30 ICE guided cardiac resyn-
chronization therapy and
the CHOICE trial
April Slee
17:30 – 17:50 Subcutaneous defibrilla-
tor: clinical evidence and
current practice
Riccardo Cappato
17:50 – 18:10 Reverse remodeling of the
left atrium with dual site
right atrial pacing
Randy Nagarakanti
18:10 – 18:30 Panel Discussion
Friday, September 20

8:00 – 9:45  **Session V:**  
Catheter ablation and Treatment strategies in VT and Atrial Fibrillation: clinical trials  
Co-Chairs: Gerald Naccarelli / Riccardo Cappato

8:00 – 8:20  Concepts and Current Trial Status of VT ablation in Structural Heart Disease  
Balbir Singh

8:20 – 8:40  Dronedarone – Trial status and perspective  
Gerald Naccarelli

8:40 – 9:00  FREEZE and Fire&ICE: Is the Cryo-Ballon “hot”?  
Ellen Hoffmann

9:00 – 9:20  Is Mortality the key outcome for AF therapy trials?  
Sanjeev Saksena

9:20 – 9:40  Cryptogenic Stroke – The CRYSTAL AF Study  
Johannes Brachmann

9:40 – 11:00  **Session VI:**  
Heart failure clinical trials  
Co-Chairs: Ellen Hoffmann / Kamal Sethi

10:00 – 10:20  New Sensor Technology for HF in Clinical Trials  
Dhanunjay Lakireddy

10:20 – 11:00  CASTLE-AF: Is there an AF-HF dialogue?  
Johannes Brachmann

10:45 – 11:00  Panel Discussion

11:00 – 11:15  Coffee Break

11:15 – 13:00  **Session VII:**  
Outcomes and Clinical Trials  
Co-Chairs: Thorsten Le-walter / Sanjeev Saksena

11:15 – 11:45  Key Note Lecture: History of Oral Anticoagulation  
Berndt Lüderitz

11:45 – 12:05  Boutique Indications for ICD’s: Channelopathies and uncommon cardiomyopathies  
Davendra Mehta

12:05 – 12:25  Silent stroke in catheter ablation procedures: outcomes and clinical trials  
Thomas Deneke

12:25 – 12:55  Periprocedural anticoagulation with dabigatran, rivaroxaban and apixaban  
Sam Lévy

12:55 – 13:00  Closing Remarks  
Sanjeev Saksena
Organized by
Isar Heart Center,
Munich / Germany

The Electrophysiology Research Foundation,
Warren / NJ, USA

Co-Sponsored by
Isarkliniken
Munich / Germany

Eastern Heart Institute
Passaic / NJ, USA

Endorsed by
The German Cardiac Society
European Cardiac Arrhythmia Society

For additional information
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advertisement
Symposium Information

Venue:
Hilton Munich Park Hotel
Am Tucherpark 7
80538 München
Germany

Date:
September 18–20, 2013

Official language:
English

Accreditation:
The symposium will be accredited by LÄK Bayern / Germany and by EBAC.

Registration and accommodation:
Could be made via the electronic form placed on the symposium website www.isie-symposium.com

Registration fees:

<table>
<thead>
<tr>
<th>Days</th>
<th>Fellows</th>
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</tr>
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<tbody>
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<td>Day 1</td>
<td>50,- €</td>
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<tr>
<td>Day 2+3</td>
<td>75,- €</td>
<td>90,- €</td>
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<tr>
<td>All Days</td>
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Hotelreservation for
Hilton Munich Park by
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Convention & Event Service GmbH
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