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## WSSFN Committee Heads

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Education: Joachim K. Krauss, Hannover, Germany

Scientific Research: Andres Lozano, Toronto, Canada

Industrial Relations: Joseph Neimat, Nashville, USA

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Jean Regis, Marseille, France

## Congress Organisation

### MCO Congrès

Villa Gaby - 285 Corniche du Président JF Kennedy

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# PRELIMINARY PROGRAMME

World Society for Stereotactic  
and Functional Neurosurgery

BERLIN . GERMANY



# WSSFN

## 26-29 JUNE 2017

INTERCONTINENTAL BERLIN

17<sup>th</sup> Quadrennial Meeting  
EMERGING TECHNIQUES AND INDICATIONS

[www.wssfn.org](http://www.wssfn.org)

[www.wssfn-congress.org](http://www.wssfn-congress.org)



## MAIN TOPICS

## Welcome message from the WSSFN President

Dear colleagues, dear guests and friends of WSSFN,

Welcome to the 17th Quadrennial Meeting of the World Society for Stereotactic and Functional Neurosurgery in June 2017 in Berlin! The motto of the meeting this time is Emerging Techniques and Indications. This is the opportunity to learn about the most exciting new developments in functional and stereotactic neurosurgery, to see cutting edge technology, to update your knowledge and to meet peers from all around the world.

WSSFN has been growing at an unprecedented pace within the past few years reflecting both multitude and diversity. WSSFN now is a true and vibrating world society operating all over the globe! After the mutual benefit plan had been launched, negotiations were started with several continental and regional societies for stereotactic and functional neurosurgery. Now the seeds have become trees. In addition to the American (ASSFN) and the European (ESSFN) societies, five other societies have become affiliated with WSSFN - the societies from India (ISSFN), from Japan (JSSFN), from Korea (KSSFN), from the Middle East (MSSFN), and from Latin America (SLANFE). What was a club of friends a couple of decades ago has become a world wide net for scientific exchange, innovation, mutual support and education.

Stereotactic and functional neurosurgery has become one of the most important areas of added competence within neurosurgery. It is the field with the biggest progress being made and it has a larger impact than ever before. Actually, the concepts of our superspecialty have penetrated the whole field of neurosurgery changing its core forever.

WSSFN has become a very busy society. In addition to the big quadrennial meetings we have organized Interim meetings concentrating more on education, and we sponsor more focused conferences by the label "Under the auspices of WSSFN." We have established several committees concerned with special topics such as Psychiatric Surgery, Education, Scientific Research and Industrial Relations. We stay connected with our membership via our website and regular newsletters. And our journal Stereotactic and Functional Neurosurgery has become an attractive medium to publish your research.

WSSFN will welcome you in Berlin in June 2017 with a most attractive program. The Scientific Program Committee has been working hard to prepare a program that we are sure will be of great interest and stimulate discussion. There will be workshops, breakfast seminars, plenary and parallel sessions, award ceremonies, debates, sponsored lunch symposia, oral and poster presentations of the newest research, a history exhibition, and an Intensive Course for Industry Professionals. And last not least, this is the time to meet old friends and to make new friends in a most pleasant atmosphere.

Looking forward to seeing you there,

**Joachim K. Krauss**, Hannover, Germany  
President WSSFN

### **Movement Disorders**

Parkinson's disease  
Tremor  
Dystonia  
What happened in PPN DBS?  
PSA or cZiDBS  
Tic / Tourette

### **Psychiatric Disorders**

Depression  
OCD  
Schizophrenia  
Addiction  
Others

### **Epilepsy**

Anterior thalamic DBS  
STN DBS  
Vagal nerve stimulation  
Neuropace  
Mesial temporal ablations

### **New Indications for DBS**

Alzheimers dementia,  
Obesity  
Others

### **Stereotactic Operations for Mass Lesions**

Tumor ablation  
Convection enhanced delivery

### **Pain**

Trigeminal neuralgia  
New devices for spinal cord stimulation  
SCS for angina, heart insufficiency, ischemia etc  
Peripheral and field stimulation  
Intrathecal drug administration  
DBS/MCS

### **Spasticity**

Baclofen  
Selective dorsal rhizotomy, neurotomy  
Botox treatment

### **Restorative Neurosurgery**

Gene therapy  
Stem cell therapy  
Spinal cord regeneration

### **radiosurgery**

Functional radiosurgery  
Progress in stereotactic radiosurgery

### **Novel Technologies**

Advanced imaging modalities  
Robotic neurosurgery  
Focused ultrasound for neurosurgery

### **Neuro-ethics**

Treatment of psychiatric disorders  
Expanding indications for DBS

### **Neuroimaging for Functional Neurosurgery**

Intraoperative MRI and CT  
Advanced MRI modalities, DTI

### **Debate Sessions**

Microrecording: essential or not?  
Radiosurgery vs Microvascular decompression  
Other topics

### **Other Topics**

Risk and complication avoidance in DBS surgery  
Functional neurosurgery in developing countries  
New anticonvulsant drugs vs epilepsy surgery  
Microsurgical techniques in functional neurosurgery  
Functional neurosurgery program development  
Advancing clinical and basic science research



## PRE-MEETING

## WORKSHOPS

Potsdam I/III

Bellevue

Pavillon

Tegel

Schinkel I-III

8:00

8:30-12:00

**Electrophysiology workshop**  
**Coordinator:** Bill Hutchison  
*Moderators:*  
*Erich Richter, Hagai Bergman*

**Epilepsy workshop**  
**Coordinator:** Faisal Al-Otaibi  
*Moderators:*  
*Igor Trifonof, Claudio Pollo*

**Radiosurgery workshop**  
**Coordinator:** Jean Régis  
*Moderators:*  
*Moto Hayashi, Roberto Spiegelman*

**Pain surgery workshop**  
**Coordinator:** Marc Sindou  
*Moderators:*  
*Wolfgang Hamel, Chris Honey*

**Treatment of Tourette's syndrome workshop**  
**Coordinator:** Yasin Temel  
*Moderators:*  
*Mansour Parvaresh, Rees Cosgrove*

12:00-14:00

Satellite symposium  
sponsored by WSSFN  
**Neuromodulation zur Behandlung  
psychiatrischer Erkrankungen**  
*Coordinator: Jürgen Voges*

Satellite symposium  
sponsored by WSSFN  
**Global Brain Initiatives - Implications  
for Functional Neurosurgery**  
*Coordinators: Mark Richardson,  
Joseph Neimat*

14:00-18:00

**Stereotactic and Functional  
Neurosurgery Workshop  
for Industry**  
**Coordinator:** Michael Schulder  
*Moderators:*  
*Michael Schulder, Paresh Doshi*

**Surgery for psychiatric  
disorders workshop**  
**Coordinators:** Bart Nuttin, Marwan Hariz, Keith Matthews

**DBS workshop**  
**Coordinator:** Erlick Pereira  
*Moderators:*  
*Jorge Guridi, Angelo Franzini*

**Lesioning workshop**  
**Coordinator:** Jin Woo Chang  
*Moderators:*  
*Jin Woo Chang, Emil Isagulyan*

**Education & Training workshop  
in collaboration with ESSFN and  
WSSFN Education Committees**  
**Coordinators:** Jean Régis,  
Joachim Krauss  
*Moderators:*  
*Jean Régis, Joachim Krauss*

19:00-21:00

WELCOME RECEPTION

WELCOME RECEPTION



### ROOMS

9:00-11:30 OFFICER'S MEETING

Kaminzimmer

8:00-12:00 PRE-MEETING WORKSHOPS

**ELECTROPHYSIOLOGY WORKSHOP**-Coordinator: Bill Hutchison

*Moderators: Erich Richter, Hagai Bergman*

- Techniques in microelectrode recording. **Bill Hutchison**
- Physiology of the thalamus and basal ganglia in movement disorder surgery. **Zvi Israel**
- Current models of basal ganglia circuitry. **Hagai Bergman**
- Basal ganglia physiology in animal models. **Mesbah Alam**
- Selected cases - recordings and interpretation. **Brigit Piallat**
- Effect of sedation and anesthesia on recordings. **Alexandre Eusebio**
- Neural rhythms in MD surgery. **Sameer Sheth**

**EPILEPSY WORKSHOP**-Coordinator: Faisal Al-Otaibi

*Moderators: Igor Trifonof, Claudio Pollo*

- Assessment of surgical patients. **Youssef Comair**
- The role of adjunct testing in epilepsy. **Faisal Al-Otaibi**
- Electrocorticography. **Antonio Goncalves Ferreira**
- StereoEEG recordings. **Jorge Martinez**
- Temporal lobectomy. **Claudio Pollo**
- Functional imaging. **Dario Englot**
- Laser ablation in epilepsy. **Chen Wu**
- How epilepsy helps us understand cognition and memory. **Itzhak Fried**
- MEG. **Masaki Iwasaki**

**RADIOSURGERY WORKSHOP**-Coordinator: Jean Régis

*Moderators: Moto Hayashi, Roberto Spiegelman*

- Fundamentals of radiosurgery-from frames to physics. **Antonio De Salles**
- Radiosurgery for benign tumors. **Marc Levivier**
- Radiosurgery for acoustic neuromas. **Jean Régis**
- Radiosurgery for metastatic disease. **David Mathieu**
- Functional radiosurgery. **Roberto Martinez**
- Radiosurgery for treatment of arteriovenous malformations. **Roman Liscak**

**PAIN SURGERY WORKSHOP**-Coordinator: Marc Sindou

*Moderators: Wolfgang Hamel, Chris Honey*

- Trigeminal neuralgia and facial pain. **Marc Sindou**
- Spinal cord stimulation. **Josh Rosenow**
- DREZ lesioning. **Peter Konrad**
- DBS for pain. **Alex Green**
- Surgical treatment of headache syndromes. **Denys Fontaine**
- Motor cortex stimulation. **Gaston Schechtmann**
- Sphenopalatine ganglion stimulation. **Jocelyn Bloch**
- DRG stimulation. **Jan Vesper**

**TREATMENT OF TOURETTE'S SYNDROME WORKSHOP**-Coordinator: Yasin Temel **Schinkel I-II**

*Moderators: Mansour Parvaresh, Rees Cosgrove*

- Overview of Tourette's syndrome. **Ludvic Zrinzo**
- Psychiatric issues in Tourette's. **Kirsten Müller-Vahl**
- Surgical patient selection. **Yasin Temel**
- Treatment of Tourette with GPi stimulation. **Veerle Visser-Vanderwalle**
- Treatment of Tourette with GPe stimulation. **Oswaldo Vilela Filho**
- Treatment of Tourette with thalamic stimulation. **Terry Coyne**

12:00-14:00 SATELLITE SYMPOSIUM SPONSORED BY WSSFN

Pavillon-Schinkel I-III

**NEUROMODULATION ZUR BEHANDLUNG PSYCHIATRISCHER ERKRANKUNGEN**

*Coordinator: Jürgen Voges*

*Speakers: Prof. Dr. med. Th. Schläper, Univ.-Freiburg; Prof. Dr. med. Dr. phil. A. Heinz, Univ.-Hospital, Charité Berlin, Prof. Dr. med. V. Coenen, Univ.-Freiburg, Prof. Dr. med. J. Voges, Univ.-Magdeburg*

**GLOBAL BRAIN INITIATIVES - IMPLICATIONS FOR FUNCTIONAL NEUROSURGERY** **Schinkel I-II**

*Coordinators: Mark Richardson, Joseph Neimat*

Bellevue

Pavillon

Tegel

### ROOMS

14:00-18:00 DBS WORKSHOP-Coordinator: Erlick Pereira

Pavillon

*Moderators: Jorge Guridi, Angelo Franzini*

- Methods of stereotaxy, Cartesian coordinates, frame application. **Romain Carron**
- Targets, frames and maximizing targeting accuracy. **Patric Blomstedt**
- Nexframe and Starfix systems. **Joseph Neimat**
- Neuromodulation for movement disorders-technique, indications and current outcomes. **Stephan Chabardes**
- Neuromodulation for epilepsy. **Dirk van Roost**
- Neuromodulation for novel indications: Depression, Alzheimers, Anorexia. **Clement Hamani**
- DBS complications. **Fiorella Contarino**
- Neuromodulation for pain. **Erlick Pereira**

**STEREOTACTIC AND FUNCTIONAL NEUROSURGERY WORKSHOP FOR INDUSTRY** **Potsdam I/III**

Coordinator: Michael Schulder

*Moderators: Michael Schulder, Paresh Doshi*

- A primer of Neurodegenerative disorders. **Suneil Kalia**
- Introduction to movement disorder surgery-targets, techniques and indications. **Paresh Doshi**
- Preoperative patient assessment-how do we select surgical candidates? **Jens Volkmann**
- Novel indications for treatment. **Michael Schulder**
- The delicate art of programming - What are the key issues? **Jörg Müller**
- Movement disorders - the patient's perspective and impact on quality of life. **Gun-Marie Hariz**
- What I always wanted to know about Functional Neurosurgery-(but was afraid to ask...). **All Faculty**

**LESIONING WORKSHOP**-Coordinator: Jin Woo Chang **Tegel**

*Moderator: Jin Woo Chang, Emil Isagulyan*

- Historical aspects of lesioning -from Cooper's cryolesioning to HiFU. **Takaomi Taira**
- Lesioning using invasive methods. **Tipu Aziz**
- Radiosurgical lesioning. **Sun Ha Paek**
- Stereotactic laser ablation surgery. **Bob Gross**
- Lesioning using HiFU. **Nir Lipsman**
- Lesioning for unusual movement disorders. **Takaomi Taira**
- Increasing the accuracy of lesioning procedures. **Mojgan Hodaie**

**EDUCATION AND TRAINING WORKSHOP in collaboration with ESSFN and WSSFN Education Committees**-Coordinators: Jean Régis and Joachim Krauss **Schinkel I-II**

*Moderators: Jean Régis, Joachim Krauss*

- Stereotactic and Functional Neurosurgery across the globe-The diverse aspects of treatment. **Jairo Espinosa**
- A comprehensive fellowship in SFN - What should it include? **Zelma Kiss**
- Stereotactic and Functional Neurosurgery in Taiwan. **Jung Tung Liu**
- Setting up a DBS program in Indonesia. **Achmed Fahmi, Sharan Srinivasan**
- Starting a functional neurosurgery group. **Akmal Hussain**
- Setting up an epilepsy center. **Andy Parrent**
- Stereotactic and Functional Neurosurgery in Africa. **Graham Fieggen**
- Stereotactic and Functional Neurosurgery in South America. **Fabian Piedimonte**
- Stereotactic and Functional Neurosurgery in Tunisia. **Guenane Lakhdar, Benaissa Abdennebi**

**SURGERY FOR PSYCHIATRIC DISORDERS WORKSHOP** **Bellevue**

Coordinators: Bart Nuttin, Marwan Hariz, Keith Matthews

- Introduction: Is surgery for psychiatric disorders really needed? **Marwan Hariz**
- DBS for OCD: why it is not flying like DBS for PD? **Bart Nuttin**
- Two failed trials of DBS for depression; what went wrong? **Andres Lozano**
- What happened to STN DBS for OCD? **Luc Mallet**
- When is a patient with OCD treatment refractory? **David Christmas**
- When is a patient with major depression treatment refractory? **Raphaëlle Richieri**
- Long-term outcome of DBS for OCD with emphasis on side-effects. **Rick Schuurman**
- DBS for addiction. **Jürgen Voges**
- DBS for post-traumatic stress disorder (PTSD). **Ali Rezai**
- Ablative surgery for aggressiveness. **Oswaldo Filela-Vilho**
- DBS for obesity. **Antonio De Salles**
- Surgery for anorexia nervosa. **Bomin Sun**
- DBS for Gilles de la Tourette syndrome. **Veerle Visser-Vandewalle**
- Imaging of psychiatric brain circuitries. **Sameer Sheth**
- Animal models for psychiatric disorders. **Christelle Baunez**
- How to proceed? Why is the field stagnating? Are psychiatrists averse to psychiatric surgery? Why is it still experimental? **All Faculty**
- Closing talk: Ideal requirements for neurosurgery to become accepted credible treatment of refractory patients. **Keith Matthews**

18:30-21:00 OPENING RECEPTION ON MONDAY EVENING



### Potsdam I/III

7:30-8:15	
8:30-9:00	<b>WSSFN Presidential address</b> <i>Speaker: Joachim Krauss</i>
9:00-9:30	<b>The history of Stereotactic and Functional Neurosurgery</b> <i>Moderators: Ali Rezai, Jurgen Voges</i> <i>Speaker: Marwan Hariz</i>
9:30-10:10	<b>Oral presentations</b>
10:10-10:30	<b>COFFEE BREAK</b>
10:30-11:15	<b>Oral presentations</b> <i>Moderators: Emad Eskandar, Giovanni Broggi</i>
11:15-12:00	WSSFN Distinguished Award Ceremony & Presentations
12:00-14:00	
14:15-14:45	<b>History of Psychosurgery in postwar Germany</b> <i>Moderators: Ali Savas, Alex Green</i> <i>Speaker: Lara Rzesnitzek</i>
14:45-15:45	<b>Oral presentations</b>
15:45-16:15	<b>COFFEE BREAK</b>
16:15-17:15	<b>Flash presentations</b> <i>Moderators: Alireza Gharabaghi, Jan Mehrkens</i>
17:15-17:45	<b>Wrap up session - 3 presenters:</b> <i>Moderators: Harith Akram, Vibhor Krishna, Hemmings Wu</i>
17:45-19:45	
20:00	PRESIDENT'S DINNER AT THE INTERCONTINENTAL

### Bellevue

### Pavillon

### Tegel

<b>Challenging cases in Neuromodulation</b> <i>Moderators: Fabian Piedimonte, Maximilian Mehdorn</i> <i>Speakers: Paresh Doshi, Terry Coyne, Shiro Horisawa</i>	<b>Imaging in Stereotactic and Functional Neurosurgery</b> <i>Moderators: Ajay Niranjana, Tejas Sankar</i> <i>Speakers: Nader Pouratian, Juan Barcia, Dario Englot</i>	<b>Maximizing the success of your research publication</b> <i>Moderators: Tipu Aziz, Philip Cornu</i> <i>Speakers: David Roberts, Stephan Chabardes, Tipu Aziz</i>
<b>WSSFN Presidential address</b> <i>Speaker: Joachim Krauss</i> <b>in Potsdam I/III</b>		
<b>The history of Stereotactic and Functional Neurosurgery</b> <i>Moderators: Ali Rezai, Jurgen Voges - Speaker: Marwan Hariz</i> <b>in Potsdam I/III</b>		
<b>COFFEE BREAK</b>		
Lunch industry-sponsored symposium		Lunch industry-sponsored symposium
<b>Local field potentials in movement disorder surgery</b> <i>Moderators: Jocelyn Bloch, Alon Mogilner</i> <i>Speaker: Andrea Kühn</i>	<b>HIFU-from Blood brain barrier to Functional Neurosurgery</b> <i>Moderator: Aviva Abosch, Angelo Lavano</i> <i>Speaker: Jin Woo Chang</i>	
<b>Oral presentations</b>	<b>Oral presentations</b>	
<b>COFFEE BREAK</b>		
<b>Flash presentations</b> <i>Moderators: Constantin Tuleasca, Jung Il Lee</i>	<b>Flash presentations</b> <i>Moderators: Alexandre Campos, Mohammed Maarouf</i>	
<b>Wrap up session - 3 presenters:</b> <i>Moderators: Harith Akram, Vibhor Krishna, Hemmings Wu</i> <b>in Potsdam I/III</b>		
PRESIDENT'S DINNER AT THE INTERCONTINENTAL		



**ROOMS**

**7:30-8:15 PARALLEL SESSIONS: BREAKFAST SESSIONS**

**CHALLENGING CASES IN NEUROMODULATION** **Bellevue**  
*Moderators: Fabian Piedimonte, Maximilian Mehdorn*  
Speakers: **Paresh Doshi, Terry Coyne, Shiro Horisawa**

**IMAGING IN STEREOTACTIC AND FUNCTIONAL NEUROSURGERY** **Pavillon**  
*Moderators: Ajay Niranjana, Tejas Sankar*  
Speakers: **Nader Pouratian, Juan Barcia, Dario Englot**

**MAXIMIZING THE SUCCESS OF YOUR RESEARCH PUBLICATION** **Tegel**  
*Moderators: Tipu Aziz, Philip Cornu*  
Speakers: **David Roberts, Stephan Chabardes, Tipu Aziz**

**PLENARY SESSIONS: KEYNOTE LECTURES**

**8:30-9:00 WSSFN PRESIDENTIAL ADDRESS** **Potsdam I/III**  
Speaker: **Joachim Krauss**

**9:00-9:30 THE HISTORY OF STEREOTACTIC AND FUNCTIONAL NEUROSURGERY** **Potsdam I/III**  
*Moderators: Ali Rezai, Jurgens Voges*  
Speaker: **Marwan Hariz**

**9:30-10:10 PLENARY SESSION: ORAL PRESENTATIONS** **Potsdam I/III**

**10:10-10:30 COFFEE BREAK**

**10:30-11:15 PLENARY SESSION: ORAL PRESENTATIONS** **Potsdam I/III**  
*Moderators: Emad Eskandar, Giovanni Broggi*

**11:15-12:00 PLENARY SESSION: AWARDS CEREMONY** **Potsdam I/III**  
WSSFN Distinguished Awards Ceremony and Presentations  
- Yves Lazorthes, Toulouse (France): Spiegel and Wycis Award  
**introduced by Joachim K. Krauss**  
- Francisco Velasco, Mexico (Mexico): Spiegel and Wycis Award  
**introduced by Michael Schulder**  
- David Roberts, Hanover (USA): Tasker Award  
**introduced by Jin Woo Chang**

**12:00-14:00 LUNCH INDUSTRIAL SYMPOSIUM** **Bellevue-Tegel**

**12:00-14:00 CONCURRENT EXECUTIVE COMMITTEE MEETING** **Kaminzimmer**

**ROOMS**

**14:15-14:45 PARALLEL SESSIONS: KEYNOTE LECTURES**

**HISTORY OF PSYCHOSURGERY IN POSTWAR GERMANY** **Potsdam I/III**  
*Moderators: Ali Savas, Alex Green*  
Speaker: **Lara Rzesnitzek**

**LOCAL FIELD POTENTIALS IN MOVEMENT DISORDER SURGERY** **Bellevue**  
*Moderators: Jocelyn Bloch, Alon Mogilner*  
Speaker: **Andrea Kühn**

**HIFU-FROM BLOOD BRAIN BARRIER TO FUNCTIONAL NEUROSURGERY** **Bellevue**  
*Moderator: Aviva Abosch, Angelo Lavano*  
Speaker: **Jin Woo Chang**

**14:45-15:45 PARALLEL SESSIONS: ORAL PRESENTATIONS** **Potsdam I/III-Bellevue-Pavillon**

**15:45-16:15 COFFEE BREAK**

**16:15-17:15 PARALLEL SESSIONS: FLASH PRESENTATIONS** **Potsdam I/III-Bellevue-Pavillon**  
*Moderators session I: Alireza Gharabaghi, Jan Mehrkens*  
*Moderators session II: Constantin Tuleasca, Jung Il Lee*  
*Moderators session III: Alexandre Campos, Mohammed Maarouf*

**17:15-17:45 PLENARY SESSION: WRAP UP SESSION-3 presenters** **Potsdam I/III**  
*Moderators: Harith Akram, Vibhor Krishna, Hemmings Wu*

**18:00-19:00 SFN EDITORIAL BOARD MEETING** **Kaminzimmer**

**20:00 PRESIDENT'S DINNER AT THE INTERCONTINENTAL**



### Potsdam I/III

7:30-8:15	
8:30-9:00	<b>Emerging indications: disorders of memory, behaviour, mood and metabolism</b> <i>Moderators: Hidehiro Hirabayashi (President JSSFN), Michael Schulder</i> <i>Speaker: Andres Lozano</i>
9:00-10:00	<b>Papers: Emerging technologies</b>
10:00-10:30	<b>COFFEE BREAK</b>
10:30-11:30	<b>Oral presentations</b> <i>Moderators: Arthur Cukiert, Visser Vanderwalle</i>
11:30-12:00	<b>Why have we had so many failed trials?</b> <i>Speaker: Bart Nuttin</i>
12:00-14:00	
14:15-14:45	<b>Neural transplantation</b> <i>Moderators: Hiroki Toda, Cristina Torres</i> <i>Speaker: Stephane Palfi</i>
14:45-15:45	<b>Oral presentations</b>
15:45-16:015	<b>COFFEE BREAK</b>
16:15-17:15	<b>Flash presentations</b> <i>Moderators: Ahmed Alkhani, Ryoong Huh</i>
17:15-17:45	<b>Wrap up session - 3 presenters:</b> <i>Moderators: Adrian Laxton, Ashkan Keyoumars, Karl Sillay</i>
20:00	CONGRESS DINNER

### Bellevue

### Pavillon

### Tegel

<b>Radiosurgery: use of radiosurgery for psychiatric disease, epilepsy, pain</b> <i>Moderators: Antonio De Salles, Marc Levivier</i> <i>Speakers: Rees Cosgrove, Moto Hayashi, Antonio De Salles</i>	<b>Challenging cases in epilepsy</b> <i>Moderators: Shabbar Danish, Nitin Tandon</i> <i>Speakers: Bob Gross, Dirk van Roost, Kai A Lehtimaki</i>	<b>Spasticity/Intrathecal baclofen treatment-indications, pearls and challenges</b> <i>Moderator: Patric Mertens</i> <i>Speakers: Patric Mertens, Nico Enslin, Marc Sindou</i>
<b>Emerging indications: disorders of memory, behaviour, mood and metabolism in Potsdam I/III</b> <i>Moderators: Hidehiro Hirabayashi (President JSSFN), Michael Schulder</i>		
<b>COFFEE BREAK</b>		
<b>Why have we had so many failed trials? Bart Nuttin in Potsdam I/III</b>		
Lunch industry-sponsored symposium		
Lunch industry-sponsored symposium	Lunch industry-sponsored symposium	
<b>Imaging the brainstem 7T and beyond</b> <i>Moderators: Volker Coenen, Ashwin Viswanathan</i> <i>Speaker: Aviva Abosch</i>	<b>Non-invasive stimulation for cognitive enhancement</b> <i>Moderators: Guido Nikkhah, Ethan Taub</i> <i>Speaker: Bahram Mohammadi</i>	
<b>Oral presentations</b>	<b>Oral presentations</b>	
<b>COFFEE BREAK</b>		
<b>Flash presentations</b> <i>Moderators: Jairo Espinosa, Saleh Baeesah</i>	<b>Flash presentations</b> <i>Moderators: Andre Machado, Jung Tung Liu</i>	
<b>Wrap up session - 3 presenters: in Potsdam I/III</b> <i>Moderators: Adrian Laxton, Ashkan Keyoumars, Karl Sillay</i>		
CONGRESS DINNER		



### ROOMS

#### 7:30-8:15 PARALLEL SESSIONS: BREAKFAST SESSIONS

**RADIOSURGERY: USE OF RADIOSURGERY FOR PSYCHIATRIC DISEASE, EPILEPSY, PAIN** Bellevue

Moderators: Antonio De Salles, Marc Levivier  
Speakers: **Rees Cosgrove, Moto Hayashi, Antonio De Salles**

**CHALLENGING CASES IN EPILEPSY** Pavillon

Moderators: Shabbar Danish, Nitin Tandon  
Speakers: **Bob Gross, Dirk van Roost, Kai A Lehtimaki**

**SPASTICITY/INTRATHECAL BACLOFEN TREATMENT INDICATIONS, PEARLS AND CHALLENGES** Tegel

Moderator: Patric Mertens  
Speakers: **Patric Mertens, Nico Enslin, Marc Sindou**

#### 8:30-9:00 PLENARY SESSION: KEYNOTE LECTURE

**EMERGING INDICATIONS: DISORDERS OF MEMORY, BEHAVIOUR, MOOD AND METABOLISM** Potsdam I/III

Moderators: Hidehiro Hirabayashi (President JSSFN), Michael Schulder  
Speaker: **Andres Lozano**

#### 9:00-10:00 PLENARY SESSION: PAPERS-EMERGING TECHNOLOGIES

Potsdam I/III

#### 10:00-10:30 COFFEE BREAK

#### 10:30-11:30 PLENARY SESSION: ORAL PRESENTATIONS

Potsdam I/III

Moderators: Arthur Cukiert, Visser Vanderwalle

#### 11:30-12:00 PLENARY SESSION: KEYNOTE LECTURE

Potsdam I/III

**WHY HAVE WE HAD SO MANY FAILED TRIALS?**

Speaker: **Bart Nuttin**

#### COMMITTEE MEETINGS

12:00-12:30 PSYCHIATRIC COMMITTEE MEETING Tegel

12:00-12:30 SCIENCE COMMITTEE MEETING Kaminzimmer

12:30-13:00 INDUSTRY COMMITTEE MEETING Tegel

12:30-13:00 EDUCATION COMMITTEE MEETING Kaminzimmer

### ROOMS

#### 12:00-14:00 LUNCH INDUSTRIAL SYMPOSIUM

Bellevue-Pavillon

#### 14:15-14:45 PARALLEL SESSIONS: KEYNOTE LECTURES

**NEURAL TRANSPLANTATION** Potsdam I/III

Moderator: Hiroki Toda, Cristina Torres  
Speaker: **Stephane Palfi**

**IMAGING THE BRAINSTEM-7T AND BEYOND** Bellevue

Moderators: Volker Coenen, Ashwin Viswanathan  
Speaker: **Aviva Abosch**

**NON-INVASIVE STIMULATION FOR COGNITIVE ENHANCEMENT** Pavillon

Moderator: Guido Nikkhah  
Speaker: **Bahram Mohammadi**

#### 14:45-15:45 PARALLEL SESSIONS: ORAL PRESENTATIONS

Potsdam I/III-Bellevue-Pavillon

#### 15:45-16:15 COFFEE BREAK

#### 16:15-17:15 PARALLEL SESSIONS: FLASH PRESENTATIONS

Potsdam I/III-Bellevue-Pavillon

Moderators session I: Ahmed Alkhani, Ryoong Huh  
Moderators session II: Jairo Espinosa, Saleh Baeesah  
Moderators session III: Andre Machado, Jung Tung Liu

#### 17:15-17:45 PLENARY SESSION: WRAP UP SESSION-3 presenters

Potsdam I/III

Moderators: Adrian Laxton, Ashkan Keyoumars, Karl Sillay

#### 18:00-19:00 COMMITTEE MEETINGS

Kaminzimmer

WFNS STEREOTACTIC AND FUNCTIONAL NEUROSURGERY COMMITTEE

20:00 CONGRESS DINNER



### Potsdam I/III

7:30-8:15	
8:30-9:00	<p><b>State of the art of Stereotatic and Functional Neurosurgery</b>  <i>Moderators: Young Hwan Ahn (President KSSFN), Konstantin Slavin</i>  <i>Speaker: Alim Benabid</i></p>
9:00-10:00	<p><b>Oral presentations</b></p>
10:00-10:30	<p><b>COFFEE BREAK</b></p>
10:30-11:30	<p><b>Oral presentations</b>  <i>Moderators: Angelo Franzini, Istvan Valalik</i></p>
11:30-12:00	<p><b>Treatment of Dystonia</b>  <i>Speaker: Joachim Krauss</i></p>
12:00-13:00	<p><b>DEBATES</b>  <i>Moderators: Michael Kaplitt, Stephan Chabardes</i></p> <p><b>Target localization in SFN-MER is no longer necessary</b>  <i>Debaters: Marwan Hariz vs Emad Eskandar</i></p> <p><b>The controversial history of psychosurgery: what impact does our past have on our future?</b>  <i>Debaters: Takaomi Taira vs. Michael Schulder</i></p>
13:00-14:00	
14:15-15:15	<p>WSSFN General Assembly</p>
15:15-15:45	<p><b>Facial Pain</b>  <i>Moderators: Mojgan Hodaie, Ludvic Zrinzo</i>  <i>Speaker: Kim Burchiel</i></p>
15:45-16:45	<p><b>Oral presentations</b></p>
16:45-17:15	<p><b>COFFEE BREAK</b></p>
17:15-18:00	<p><b>Flash presentations</b>  <i>Moderators: Soha Alomar, Ido Strauss</i></p>
18:00-18:45	<p>CLOSING REMARKS / ORAL &amp; POSTERS AWARDS</p>

### Bellevue

### Pavillon

### Tegel

<p><b>Lesioning surgery for movement disorders pearls, pitfalls and epilepsy</b>  <i>Moderators: Kostiantyn Kostiuik, Benaissa Abdennebi</i>  <i>Speakers: Erich Fonoff, Andrey Sitnikov, Chris Honey</i></p>	<p><b>Psychosurgery Accumbens vs capsule and overall treatment of OCD</b>  <i>Moderators: Jian Guo Zhang, Clement Hamani</i>  <i>Speakers: Rick Schuurman, Bomin Sun, Keith Matthews</i></p>	<p><b>Challenging cases in pain</b>  <i>Moderators: Julie Pilitsis, Jamil Rzaev, Zeiad Fayed</i>  <i>Speakers: Konstantin Slavin, Andreas Wloch, Byong Chul Son</i></p>
<p><b>State of the art of Stereotatic and Functional Neurosurgery</b>  <i>Moderators: Young Hwan Ahn (President KSSFN), Konstantin Slavin - Speaker: Alim Benabid</i></p> <p><b>in Potsdam I/III</b></p>		
<p><b>COFFEE BREAK</b></p>		
<p><b>Treatment of Dystonia</b>  <i>Speaker: Joachim Krauss</i></p> <p><b>in Potsdam I/III</b></p>		
<p><b>DEBATES</b>  <i>Moderators: Michael Kaplitt, Stephan Chabardes</i></p> <p><b>Target localization in SFN-MER is no longer necessary</b>  <i>Speakers: Marwan Hariz vs Emad Eskandar</i></p> <p><b>The controversial history of psychosurgery: what impact does our past have on our future?</b>  <i>Speakers: Takaomi Taira vs. Michael Schulder</i></p> <p><b>in Potsdam I/III</b></p>		
<p>Lunch industry-sponsored symposium</p>		
<p><b>Radiosurgery-controversies in MD treatment HiFU vs radiosurgery</b>  <i>Moderators: Kita Sallabanda, Andrey Golanov</i>  <i>Speaker: Jean Régis</i></p>	<p><b>New DBS electrodes</b>  <i>Moderators: Jean Ciurea, Faisal Al-Otaibi</i>  <i>Speaker: François Alesch</i></p>	
<p><b>Oral presentations</b></p>	<p><b>Oral presentations</b></p>	
<p><b>COFFEE BREAK</b></p>		
<p><b>Flash presentations</b>  <i>Moderators: Wilhelm Eisner, Pawel Sokal</i></p>	<p><b>Flash presentations</b>  <i>Moderators: Miroslav Galanda, Krasimir Minkin</i></p>	
<p>CLOSING REMARKS / ORAL &amp; POSTERS AWARDS</p>		



## ROOMS

### 7:30-8:15 PARALLEL SESSIONS: BREAKFAST SESSIONS

**LESIONING SURGERY FOR MOVEMENT DISORDERS-PEARLS, PITFALLS AND EPILEPSY** **Bellevue**  
 Moderators: *Kostiantyn Kostyuk, Benaissa Abdennebi*  
 Speakers: *Erich Fonoff, Andrey Sitnikov, Chris Honey*

**PSYCHOSURGERY ACCUMBENS VS CAPSULE AND OVERALL TREATMENT OF OCD** **Pavillon**  
 Moderators: *Jian Guo Zhang, Clement Hamani*  
 Speakers: *Rick Schuurman, Bomin Sun, Keith Matthews*

**CHALLENGING CASES IN PAIN** **Tegel**  
 Moderators: *Julie Pilitsis, Jamil Rzaev, Zeiad Fayed*  
 Speakers: *Konstantin Slavin, Andreas Wloch, Byong Chul Son*

### PLENARY SESSION: KEYNOTE LECTURE-State of the art of Stereotactic and Functional Neurosurgery

**8:30-9:00 THIRTY YEARS OF DBS FOR MOVEMENT DISORDERS-WHERE ARE WE NOW?** **Potsdam I/III**  
 Moderators: *Young Hwan Ahn (President KSSFN), Konstantin Slavin*  
 Speaker: *Alim Benabid*

### 9:00-10:00 PLENARY SESSION: ORAL PRESENTATIONS **Potsdam I/III**

### 10:00-10:30 COFFEE BREAK

**10:30-11:30 PLENARY SESSION: ORAL PRESENTATIONS **Potsdam I/III****  
 Moderators: *Angelo Franzini, Istvan Valalik*

### 11:30-12:00 PLENARY SESSION: KEYNOTE LECTURE **Potsdam I/III**

**TREATMENT OF DYSTONIA**  
 Speaker: *Joachim Krauss*

### 12:00-13:00 PLENARY SESSION: DEBATES **Potsdam I/III**

Moderators: *Michael Kaplitt, Stephan Chabardes*

**TARGET LOCALIZATION IN SFN-MER IS NO LONGER NECESSARY**  
 Debaters: *Marwan Hariz vs Emad Eskandar*

**THE CONTROVERSIAL HISTORY OF PSYCHOSURGERY: WHAT IMPACT DOES OUR PAST HAVE ON OUR FUTURE?**  
 Debaters: *Takaomi Taira vs. Michael Schulder*

### 13:00-14:00 LUNCH INDUSTRIAL SYMPOSIUM **Bellevue**

## ROOMS

### 14:15-15:15 GENERAL ASSEMBLY **Potsdam I/III**

### 15:15-15:45 PARALLEL SESSIONS: KEYNOTE LECTURES

**FACIAL PAIN** **Potsdam I/III**  
 Moderators: *Mojgan Hodaie, Ludvic Zrinzo*  
 Speaker: *Kim Burchiel*

**RADIOSURGERY-CONTROVERSIES IN MD TREATMENT HIFU VS. RADIOSURGERY** **Bellevue**  
 Moderators: *Kita Sallabanda, Andrey Golanov*  
 Speaker: *Jean Régis*

**NEW DBS ELECTRODES** **Pavillon**  
 Moderators: *Jean Ciurea, Faisal Al-Otaibi*  
 Speaker: *François Alesch*

### 15:45-16:45 PARALLEL SESSIONS: ORAL PRESENTATIONS **Potsdam I/III-Bellevue-Pavillon**

### 16:45-17:15 COFFEE BREAK

### 17:15-18:00 PARALLEL SESSIONS: FLASH PRESENTATIONS **Potsdam I/III-Bellevue-Pavillon**

Moderators session I: *Soha Alomar, Ido Strauss*  
 Moderators session II: *Wilhelm Eisner, Pawel Sokal*  
 Moderators session III: *Miroslav Galanda, Krasimir Minkin*

### 18:00-18:45 CLOSING REMARKS, ORAL AND POSTER PRESENTATION AWARDS **Potsdam I/III**



## BUSINESS

## MEETINGS

Potsdam I/III	
TUESDAY 27 JUNE	
12:00-14:00	
18:00-19:00	
WEDNESDAY 28 JUNE	
12:00-12:30	
12:30-13:00	
18:00-19:00	
THURSDAY 29 JUNE	
14:15-15:45	WSSFN General Assembly

Tegel	Kaminzimmer
TUESDAY 27 JUNE	
	Executive Committee meeting
	SFN Editorial board meeting
WEDNESDAY 28 JUNE	
Psychiatric Committee meeting	Science Committee meeting
Industry Committee meeting	Education Committee meeting
	WFNS Stereotactic and Functional neurosurgery committee
THURSDAY 29 JUNE	