Third Circular

ICCN 2014
BERLIN GERMANY

30th International Congress of Clinical Neurophysiology
March 19–23, 2014

Main Topics
Consciousness and higher brain function
Development and aging
Nerve and muscle

www.iccn2014.de
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Organization and Imprint

Venue
Estrel Hotel & Convention Center Berlin
Sonnenallee 225
12057 Berlin (DE)

Date
March 19–23, 2014

Congress Websites
www.iccn2014.de
www.dgkn-kongress.de

Hosting Societies
International Federation of Clinical Neurophysiology (IFCN)
www.ifcn.info
German Society of Clinical Neurophysiology and Functional Imaging (DGKN)
www.dgkn.de

Conveners
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Jena University Hospital
Hans Berger Department of Neurology and Clinical Neurophysiology
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Department of Neurology and Clinical Neurophysiology
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Conference Organization
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Editorial Deadline March 8, 2013
Welcome Note

Dear Colleagues and Friends,

We are happy to announce the 30th International Congress of Clinical Neurophysiology (ICCN2014) of the International Federation of Clinical Neurophysiology (IFCN). The ICCN2014 will take place in Berlin from March 20–23, 2014 and will be organized in conjunction with the Annual Meeting of the German Society for Clinical Neurophysiology and Functional Imaging (DGKN) scheduled from March 19–22, 2014.

The vibrant city of Berlin is an ideal venue in the heart of Europe and can easily be reached by airplane, train and car. Berlin as the capital of Germany and harbors many famous museums and galleries as well as concert halls, theaters, restaurants and pubs and is the traditional link between the East- and West-European cultures. The congress venue, the Estrel Hotel, has hosted many large international meetings and is situated close to the center of Berlin. It offers sufficient space for plenaries, symposia, workshops, seminars and courses. Accommodation is available at the Estrel and many other hotels in the surroundings and the city center in all categories.

Modern Clinical Neurophysiology is changing. The ICCN2014 will represent the classical methods such as EMG, NCS, EEG and evoked potentials in scientific sessions and educational courses, as well as advanced clinical neurophysiology using event related brain potentials and fMRI or modern therapeutic or interventional approaches such as invasive and non invasive brain stimulation. It will also cover closely linked imaging methods such as ultrasound, especially high resolution ultrasound and MRI of muscle, nerve and brain. ICCN2014 shall also show how these methods are embedded in the clinical context studying neuromuscular disorders, epilepsy, sleep, pain, cognitive and central movement disorders, brain plasticity in stroke, neurodegeneration and neuroinflammation and others. The ICCN2014 registration fee will be fair and we will provide a special registration fee for students. The IFCN will offer fellowships for a significant number of selected presenting participants.

We cordially invite you all to attend the ICCN2014 and look forward to meeting you in Berlin in March 2014.

Otto W. Witte, MD   Reinhard Dengler, MD      Paolo M. Rossini, MD
Convener    Convener     IFCN President
General Information

Main Topics
Consciousness and higher brain function
Development and aging
Nerve and muscle

Named Lectures
Buchthal-Lectures
Halliday-Lecture
Hans-Berger-Lecture
Hoffmann-Lecture
Kugelberg-Lecture
Narabayashi-Lecture
Richard-Jung-Lecture
Speakers tbd

Plenary Speakers
Eckhart Altenmüller (Hannover/DE)
Jan Born (Tübingen/DE)
Karl Deisseroth (Stanford, CA/US)*
John Donoghue (Providence, RI/US)*
Mark Hallett (Bethesda, MA/US)*
Hans O. Lüders (Cleveland, OH/US)*
Giacomo Rizzolatti (Padua/IT)
Bert Sakmann (Martinsried/DE; Jupiter, FL/US)*
Yoshikazu Ugawa (Fukushima/JP)*
*invited

Important Deadlines
Symposium Submission May 1, 2013
Abstract Submission July 30, 2013
Early Bird Registration October 31, 2013

Events
Teaching Program: Richard-Jung-Kolleg (German)
March 20–23, 2014 Scientific Program: 30th International Conference of Clinical Neurophysiology (IFCN)
Teaching Program: ICCN Teaching Program (English)

Satellites
March 18–19, 2014 6th International Meeting of the Brain Stem Society (BSS)
March 19–20, 2014 Course on Single-Fiber Electromyography (SFEMG)
March 21, 2014 Symposium of the German Society for Liquor Diagnostics (DGLN)
EEG-Symposium of the Association of Neurophysiologic Technical Assistants (FNTA)
Symposium of the Tom-Wahlig-Foundation
March 21–22, 2014 Symposium of the Association of Medical Technical Assistants (MTA)

Please find more information about the events at www.iccn2014.de.
Scientific Program Structure

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<td>19:00</td>
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<td>free evening</td>
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<td>20:00</td>
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### Sunday, March 23, 2014

<table>
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<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
<th>Room 5</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Symposium</td>
<td>Symposium</td>
<td>Symposium on Methods and</td>
<td>Competitive Symposium</td>
<td>Joint Symposium ICCN &amp; DGKN</td>
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<td>Techniques</td>
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<td>09:00</td>
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<tr>
<td>10:00</td>
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<td>Coffee Break</td>
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<tr>
<td>11:00</td>
<td>Symposium</td>
<td>Plenary/Named Lectures</td>
<td>Competitive Symposium</td>
<td>Joint Symposium ICCN &amp; DGKN</td>
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<td>12:00</td>
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<td>ICCN Award Lecture</td>
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<td>13:00</td>
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<td></td>
<td>ICCN Closing Ceremony</td>
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<td>14:00</td>
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<td></td>
<td>Post-congress Tours</td>
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</table>
Educational Program

ICCN Teaching Program • March 20–23, 2014
In addition to the scientific program of the ICCN a comprehensive international teaching program will be organized parallel to the congress.

We engaged many highly renown and famous clinicians and scientists for the training program. As a unique characteristic the program offers a comprehensive methodological review of the subjects, dealing not only with electrophysiology, but also with ultrasound and MR imaging, as well as pathophysiology and genetics. Whenever feasible, case discussions and sessions with patients will be included. For quality reasons, the number of participants will be limited in several teaching sessions.

Every participant will receive an official certificate of attendance of the International Federation of Clinical Neurophysiology (IFCN), certifying for CME credits.

Registration and Fees
The fee for each course will soon be available online. Registration is possible from June 1, 2013. Please register online via www.iccn2014.de.

<table>
<thead>
<tr>
<th>Anatomical and functional systems</th>
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<tbody>
<tr>
<td>Muscle</td>
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<tr>
<td>Disorders</td>
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<tr>
<td>Electromyography</td>
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<tr>
<td>Ultrasound and MRI</td>
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<tr>
<td>Case discussions and hands on</td>
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<tr>
<td>Peripheral Nerves</td>
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<tr>
<td>Disorders</td>
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<tr>
<td>Electroneurography and -myography</td>
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<td>Ultrasound and MRI</td>
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<tr>
<td>Case discussions and hands on</td>
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<tr>
<td>Blood vessels</td>
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<tr>
<td>Disorders</td>
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<tr>
<td>Ultrasound</td>
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<tr>
<td>Angiography and vascular MRI</td>
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<tr>
<td>Case discussions and hands on</td>
</tr>
<tr>
<td>Brain stem</td>
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<tr>
<td>Anatomy and disorders (incl. vertigo)</td>
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<tr>
<td>Electrophysiology and nystagmography</td>
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<tr>
<td>MRI and parenchymal ultrasound</td>
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<tr>
<td>Case discussions and hands on</td>
</tr>
<tr>
<td>Motor systems</td>
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<tr>
<td>Disorders and video sessions</td>
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<tr>
<td>Electrophysiology (incl. deep brain recordings)</td>
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<td>TMS</td>
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<tr>
<td>Case discussions and hands on</td>
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<tr>
<td>Cognition</td>
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<tr>
<td>EEG, ERP, MEG</td>
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<tr>
<td>Connectivity</td>
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<tr>
<td>fMRI</td>
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<tr>
<td>Structural</td>
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<tr>
<td>Functional and effective</td>
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</tbody>
</table>
# Educational Program

## Diseases

### Epilepsy
- Seizure semiology
- Electrophysiology and imaging
- Video monitoring
- Surgery and invasive recordings

### Sleep disorders
- Sleep and consciousness
- Disorders
- Polygraphy
- Case discussions and hands on

### Inflammatory disorders
- Autoimmune central (MS, Anti-NMDA, etc.)
- Autoimmune peripheral
- Infectious (Lyme, Lepra, HTLV, etc.)
- Case discussions and hands on

### Pain and itching
- Neuropathic pain
- Central pain syndromes (incl. headache)
- Pain measurement
- Case discussions and hands on

## Other Courses

### ICU and OR
- ICU monitoring
- OR monitoring, imaging and navigation
- Critical illness disorders
- Case discussions and hands on

### Pediatric neurophysiology and imaging
- Developmental disorders
- Epilepsy and movement disorders
- Metabolic disorders
- Case discussions and hands on

### SPM Course (Statistical parametric mapping)
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Alvaro Pascual-Leone (Boston, MA/US)
Lawrence H. Phillips (Charlottesville, VA/US)

State at printing
Social Program

Social Events
Pre-congress Tours • Tuesday, March 18, 2014 and Wednesday, March 19, 2014
ICCN and DGKN Networking Evening • Thursday, March 20, 2014
ICCN and DGKN Social Evening • Friday, March 21, 2014
Post-congress Tours • Sunday, March 23, 2014 and Monday, March 24, 2014

Sightseeing Opportunities
Pre- and Post-congress Tours
If you are interested in offers for pre- and post-congress tours in Germany and throughout Europe, please find more information by June, 2013 at www.iccn.2014.de or contact us via iccn2014@conventus.de.

„Ich bin ein Berliner!“
Follow the footsteps of politicians, celebrities and tourists alike. Discover a city that has changed more than any other city in the world over the last few years. Berlin brings together the past, present and future in a truly unique way. With an area nine times bigger than Paris, more bridges than Venice, the world’s longest open air gallery, Europe’s largest department store KaDeWe and the most zoo animals in the world, Berlin surely has something to offer for everyone. For culinary delights, Berlin’s multiculturalism awaits with a dazzling variety of cuisines, local specialties and its very own genuine beer. Cultural enthusiasts can enjoy three running opera houses, 150 theatres and stage venues and “more museums than rainy days” (175 museums to be exact). And with 30% of the city being covered by parks and woods or rivers, lakes or waterways, a place to unwind is only a few steps away.

“Berlin – the place to be” be open, be free, be Berlin.

For more Information: www.visitBerlin.com
Magic Cities: the eleven stars of Germany

Every year, Germany’s biggest and most popular cities attract millions of visitors from all over the world. Everyone from business travelers and cultural enthusiasts to shopaholics and party animals will find exactly what they are looking for. The Magic Cities lead the way for urban breaks in Germany. Discover the maritime vibe in Hamburg “Maritime City” or the creative fashion scene in Berlin “City of Cool”. Duesseldorf “City of Fashion” is great for shopping, Dresden “City of Culture” displays baroque splendor. Visit flagship international trade fairs in Hannover “City of Innovation” and the Christmas market in Nuremberg “City of History”. Discover Bach, books and art nouveau architecture in Leipzig “City of Music” or how about the Alps in Munich “City of Lifestyle”? Traditional German cider in Frankfurt “City of Art”, musicals in Stuttgart “City of Cars” and chocolate in Cologne “City of Exuberance”? The choice is yours!

Destination Germany – cosmopolitan flair in the heart of Europe

Two thousand years of history, a wealth of culture, a modern and cosmopolitan feel and a variety of natural scenery – as a travel destination, Germany offers all this and so much more. Over 10,000 towns and cities, each one with its own appeal, give Destination Germany its character. Vibrant urban centres, especially the capital Berlin, and smaller historical towns are home to architectural highlights, museums, theatres and concert halls of international renown, and they make great places to shop. Besides fascinating city breaks, Germany’s 16 federal states offer a variety of natural landscapes, excellent regional cuisine and cultural and historical attractions. With its 103 nature reserves, 14 national parks, two coastlines and its many different lake and highland regions, not to mention the Alps, Germany offers a world of opportunities for active holidays and relaxation. And throughout the country, you can expect great value for money and an excellent infrastructure.

For more information go to www.germany.travel/en

Source image text: DZT (Deutsche Zentrale für Tourismus)
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Important Facts

Venue
Estrel Hotel & Convention Center Berlin
Sonnenallee 225
12057 Berlin (DE)

Date ICCN: March 20–23, 2014
Date DGKN: March 19–22, 2014
Date SFEMG Course: March 19–20, 2014

Language
The congress language of the ICCN and the ICCN Teaching program is English. The congress language of the DGKN, the Richard-Jung-Kolleg as well as the Hands-on workshops is predominantly German. However, presentations may be given in English.

Registration Details
Early registration until 10/31/2013
Late registration until 03/10/2014
On-site registration from 03/11/2014

International Program
ICCN Regular (incl. DGKN) 450 EUR 490 EUR 550 EUR
ICCN postgraduate Student (incl. DGKN) 245 EUR 295 EUR 345 EUR
ICCN undergraduate Student (incl. DGKN) 50 EUR 50 EUR 50 EUR

ICCN and DGKN Networking Evening • Thursday, March 20, 2014 0 EUR
ICCN and DGKN Social Evening • Friday, March 21, 2014 tbd

Satellite Course
SFEMG Course (incl. SFEMG Dinner) 245 EUR 295 EUR 345 EUR
SFEMG Course for ICCN participants 100 EUR 100 EUR 100 EUR
SFEMG Course Accompanying Person 60 EUR 60 EUR 60 EUR
(no entrance to scientific program – Dinner only)

Registration opens on June 1, 2013. Please register online via www.iccn2014.de.

German Scientific Program
The ICCN 2014 is organized in conjunction with the 58th Annual Meeting of the German Society of Clinical Neurophysiology and Functional Imaging (DGKN) and the German Teaching Program of the Richard-Jung-Kolleg (RJK). The program will be announced separately. More information is available online at www.dgkn-kongress.de.

Poster Sessions
Poster presentations will receive great attention during the meeting. They will be placed centrally in the meeting rooms, we will reserve much time in the program for the posters, many renown scientists will chair the poster presentations, and several poster prices will be awarded. We encourage the submission of posters, both from young as well as from advanced scientists, and will ask the senior authors to also be present at the posters during the poster sessions if possible. We hope that many recent important studies and inventions in the field of clinical neurophysiology and functional imaging will be presented. Poster presenters may also volunteer for an inclusion of their talk into an oral symposium.

ICCN Travel Grants
The ICCN is offering a number of travel grants to young participants from economically disadvantaged countries whose abstracts have been accepted for the congress.

ICCN Competetive Youg Scientist Awards
The ICCN is offering young scientists awards for outstanding contributions to the congress. Please find more information regarding the application criteria for travel grants and awards at www.iccn2014.de.
**Important Facts**

**DGKN Fellowships**
The DGKN is offering fellowships. All applicants have to be active participants of the congress. Please find more information regarding the application criteria at [www.dgkn-kongress.de](http://www.dgkn-kongress.de).

**Education Credits and Certification of the Scientific Program**
The **30th International Congress of Clinical Neurophysiology** (ICCN) will be certified by the European Accrediation Council for Continuing Medical Education (EACCME) and will be certified with European CME credits (ECMEC).

The **58th Annual Meeting of the German Society for Clinical Neurophysiology and Functional Imaging** (DGKN) will be certified by the Medical Association of Berlin with CME credits. Additionally, the German Society for Epilepsy (DGeE) will certify several sessions of the DGKN program.

**Education Credits and Certification of the Educational Program**
The **International ICCN Teaching Program** will be certified by the European Accreditation Council for Continuing Medical Education (EACCME). Additionally, every participant will receive a certificate of attendance by the International Federation of Clinical Neurophysiology (IFCN).

The **Richard-Jung-Kolleg (RJK)** will be certified by the Medical Association of Berlin and every seminar, course, curriculum will be certified with CME credits. Additionally, the German Society for Ultrasound in Medicine (DEGUM) will certify an ultrasound course of the RJK program.

**Accommodation**
Reservation forms for the hotel contingent and the appropriate special rates can be found on the congress homepage at [www.iccn2014.de](http://www.iccn2014.de).

Please note: The congress organization acts only as an intermediary party and assumes no liability for reservations. Changes and cancellations should be made directly with the appropriate hotel.

**Journey to Berlin**
All information regarding possible travel arrangements by plane, car and public transport are indicated on [www.iccn2014.de](http://www.iccn2014.de).

**Cooperation with German Railways**
With the special offer of Conventus Congressmanagement & Marketing GmbH and Deutsche Bahn, you will travel relaxed and comfortable to the 30th International Congress of Clinical Neurophysiology of the International Federation of Clinical Neurophysiology (ICCN) in Berlin.

Switching over to rail, you help our environment and contribute actively in the climate protection.

The price for your congress event ticket for round trip* to Berlin is:

<table>
<thead>
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<th>Class</th>
<th>Price</th>
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<tr>
<td>2nd class</td>
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<td>1st class</td>
<td>159 EUR (for defined train connection)</td>
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</tr>
<tr>
<td>1st class</td>
<td>189 EUR (for all trains)</td>
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*international connections available on request

Your ticket is valid for a travel period of maximum 14 days for your round trip. Please call our service number +49 (0) 1805 31 11 53** to book your ticket and quote “CONVENTUS” as reference. Please have your credit card ready.

Conventus Congressmanagement & Marketing GmbH and Deutsche Bahn wish you a pleasant journey!
Barrier-free S-Bahn and underground stations are fitted with mobile folding frames which are put down next to the first door of the train by the train staff to the road or pavement above. At stations with this symbol, the road and platform are connected to the platform by ramps. Here, wheelchair and walking frame users, or passengers with limited mobility, can access the train without problem.
Course on Single-Fiber Electromyography (SFEMG)

Event
Course on Single-Fiber Electromyography

Venue
Estrel Hotel & Convention Center Berlin
Sonnenallee 225
12057 Berlin (DE)

Organizer
Erik Stålberg
Uppsala University Hospital
Department of Clinical Neurophysiology
75185 Uppsala (SE)
www.sfemg.info

Program
Wednesday, March 19, 2014 • 1300–1845 hrs

Session 1
Welcome
SFEMG recording principles
(incl. filter, trig)
SFEMG parameters: jitter, FD

Session 2
Ways to measure jitter: peak, level
VRF
Stimulation SFEMG
SFEMG in late components: H, F, blink

Session 3
DEMO Jitter and FD
DEMO Stim SFEMG
Discussion/video demo

Thursday, March 20, 2014 • 0830–1615 hrs

Session 4
Jitter in MG and LEMS
Remote and long term effects of Botulinum toxin
SFEMG in neurogenic conditions

Session 5
SFEMG in myopathic conditions
Jitter as an outcome measure
Jitter with CNE

Session 6
DEMO in a pat with MG
Stim CNE jitter in pediatric patients
Simulation in relation to CNE jitter

Session 7
DEMO of CNE jitter vol and stimulated
DEMO in a pat with LEMS/ALS
Role of SFEMG in routine

Invited Speakers
Christian Bischoff (Munich/DE)
Peter R. W. Fawcett (Newcastle upon Tyne/GB)
João A. Kouyoumdjian (São Paulo/BR)
Janice Massey (Durham, NC/US)
Javier Navallas (Pamplona/ES)
Matthew Pitt (London/GB)
Donald B. Sanders (Durham, NC/US)
Erik Stålberg (Uppsala/SE)
Jože V. Trontelj (Ljubljana/SI)

Please register online at www.iccn2014.de.
Call for Symposia and Abstracts

We cordially invite you to submit your scientific contribution in form of symposium suggestions and abstracts to the topics stated below. Symposia and abstracts must be submitted online at www.iccn2014.de and in English only.

Important Deadlines
Symposium Submission   May 1, 2013
Abstract Submission       June 30, 2013

Topics

Diseases
• Critical illness and sepsis
• Dementia
• Depression and anxiety
• Drug abuse
• Dystonia
• Epilepsy
• Inflammatory diseases of CNS and PNS
• Metabolic disorders
• Migraine
• Motor neuron disorders
• Movement disorders
• Multiple sclerosis
• Myasthenia
• Myopathies
• Neurodegeneration
• Neuropathies
• Pain
• Parkinson disease
• Rare neurological diseases
• Schizophrenia
• Sleep disorders
• Stroke

Methods and Techniques
• Assessment of cognitive function
• Brain computer interface
• Deep brain stimulation
• Doppler ultrasound
• EEG
• EMG
• ENG
• Evoked potentials
• ICU monitoring
• Imaging
• Intraoperative monitoring
• MEG
• MRI (functional and structural)
• Nerve and muscle ultrasound
• Neurobotics
• Neuronavigation
• Robot-aided neurorehabilitation
• Single fibre EMG
• Transcranial magnetic stimulation

Special Topics             Free Topics
• Controversies
• Giants of neurophysiology
• Highlight discoveries of the last years – Reviews of hot topics
• Music and the brain and disorders in musicians
• Neuroeconomics
• Neuroethics
• Neurophysiology of music learning
• Neurorehabilitation
• Neurotraumatology
• Standard operation procedures (SOPs) and standard values
• The coming stars

We would be delighted to receive your contributions to the scientific program and your support, which will make a successful meeting!

SUBMISSION via www.iccn2014.de

Awards
The best poster presentations will be appreciated with a poster award.
More detailed information will be published soon on the conference website.