ASIAN-OCEANIAN CONGRESS ON CLINICAL NEUROPHYSIOLOGY
in conjunction with the
30th MALAYSIAN SOCIETY OF NEUROSCIENCES ANNUAL SCIENTIFIC MEETING

Organised By: Malaysian Society of Neurosciences
Supported By: IFCN

Preliminary Program

9th to 12th April 2020
Royale Chulan, Kuala Lumpur
www.aoccn2020.com
info@aoccn2020.com

WE WELCOME
• Neurologists
• Neurosurgeons
• Neuroscientists
• Clinical Neurophysiologists
• Rehab Physicians
• General Physicians
• Orthopaedic Surgeons
• Master Trainees / Residents
• Allied Health Professionals
• Technologists
Dear Colleagues,

On behalf of the Malaysian Society of Neurosciences, it is with pleasure that we invite you to attend the 7th Asian-Oceanian Congress on Clinical Neurophysiology (AOCCN) in conjunction with the 30th Malaysian Society of Neurosciences (MSN) Annual Scientific Meeting which will be held in Kuala Lumpur, Malaysia from 9th-12th April 2020.

Clinical neurophysiology plays an important role in medicine, particularly within the field of neurosciences. Accurate clinical diagnosis and procedural monitoring rely on well-executed neurophysiology and a greater understanding of disease pathophysiology and therapy can be achieved through research in clinical neurophysiology. It is thus not surprising that the field of clinical neurophysiology has seen rapid growth in recent years.

With support from the International Federation of Clinical Neurophysiology (IFCN) and its Asian-Oceanian chapter, AOCCN-MSN 2020 aims to provide attendees with a fundamental overview of the role of clinical neurophysiology in diseases of the central and peripheral nervous system as well as showcase the recent advancements and latest technology in this field. Our programme will include meet-the-expert sessions, workshops and scientific symposiums, featuring international and regional speakers. There will also be ample opportunities to share knowledge, exchange ideas and initiate collaborations.

We are confident that AOCCN-MSN 2020, set against the backdrop of our vibrant city of Kuala Lumpur, will provide delegates with a rewarding and memorable experience.

We look forward to welcoming you to Kuala Lumpur in 2020.

Nortina Shahrizaila and Ai-Huey Tan
Convenors of AOCCN-MSN 2020
Dear Colleagues,

With great pleasure and also great expectations I invite you on behalf of the International Federation of Clinical Neurophysiology to join the next Asian-Oceanian Congress on Clinical Neurophysiology from April 9-12, 2020. This conference takes place right in the middle between the IFCN meetings in Washington 2018 and Melbourne 2022.

It will reflect a spectrum from established knowledge on an educational basis and contributions outlining future developments in world-wide clinical neurophysiology which will cover CN as an indispensable diagnostic tool as well as a further emerging therapeutic field. Also for many neighbouring areas such as neurology, psychiatry, paediatrics, neurosurgery and specialities such as epileptology, movement disorders, peripheral neuropathies, myopathies, intraoperative monitoring, sleep disorders, neurorehabilitation and others this conference will provide a unique opportunity for updating knowledge and networking.

Beyond these clinical aspects the IFCN also promotes the transfer of basic human neurophysiological knowledge incorporating translational aspects coming from animal experiments, computational neuroscience, studies on consciousness, neuroimaging and many more. Having seen the organisational efforts so far, I am convinced that Professor Ryusuke Kakigi representing the Asian-Oceanian Chapter and Professor Nortina Shahrizaila and A/ Professor Tan Ai-Huey representing the local organisation will organize an outstanding meeting. Last, but not least, particular weight will be put on networking opportunities of young clinical neurophysiologists.

Looking forward to meet you in Kuala Lumpur

Walter Paulus
President
International Federation of Clinical Neurophysiology (IFCN)

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Jonathan COLE
Latin America Chapter
Jorge GUTIERREZ

About International Federation of Clinical Neurophysiology (IFCN)

The International Federation of Clinical Neurophysiology (IFCN) has member societies in 62 countries. The main goal of the IFCN is to promote education and the highest level of practice in Clinical Neurophysiology to improve health.
Welcome Message from the President of Asian-Oceanian Chapter of IFCN

This is a welcome message to all colleagues and friends, not only in Asia and Oceania, but also throughout the world. The Seventh Asian and Oceanian Congress of Clinical Neurophysiology (7th AOCCN) will be held in Kuala Lumpur, Malaysia from April 9-12, 2020.

As every clinician and researcher knows, clinical neurophysiology is very important not only in clinical medicine but also as a basic research field. In addition, neuroscience, particularly neuroimaging studies, is one of the hottest topics among all the scientific fields. Therefore, many young clinicians and researchers have recently become interested in this academic field.

Malaysia is a fascinating country with a long history. It is easy to experience an excellent mix of many cultures in Malaysia, since this is a really important meeting point of both eastern and western cultures. There are many places we can visit in the vibrant city of Kuala Lumpur and within short hours away, the UNESCO World Heritage sites of Malacca and Georgetown, Historic Cities of the Straits of Malacca. On top of this, Malaysia has created global recognition in recent times in terms of her economy as well as contribution to science.

The conference venue, Kuala Lumpur, is a symbol of historic as well as modern Malaysia. It is a city with many skyscrapers nestled between historical shop houses and busy alleys filled with street food. I am sure that all delegates will be impressed by the great hospitality of Malaysians and excellent and unforgettable Malaysian foods.

Since the first AOCCN was held in Beijing, China, back in 1996, AOCCN has been held in Manila, Chiang Mai, Seoul, Bali, and Bangalore. The AO chapter has made sure and steady progress by increasing the number of member countries as well as individual members. I hope that many members of the AO chapter will participate in this congress and continue to promote active mutual relationships among the societies of the AO chapter.

Ryusuke Kakigi
President of Asian-Oceanian Chapter of International Federation of Clinical Neurophysiology (IFCN)
AOCCN-MSN 2020 Local Committee

Congress Convenors
Nortina SHAHRIZAILA
Chair, MSN Clinical Neurophysiology Section

Ai-Huey TAN
President, Malaysian Society of Neuroscience (MSN)

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Ai-Huey TAN
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Shanthi VISWANATHAN

Organising Committee
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Rabani REMLI, Co-chair

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Anwar NORAZIT (Finance)
Siti Rafidah Bt YUSOF (Finance)

Kenny TAN (Promotion and Publicity)

Kwang-Hwee GOH (Grants and Awards)
Khairul Azmi IBRAHIM (Grants and Awards)

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AO-IFCN COMMITTEE
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IFCN
Renato VERDUGO    Chile
Jorge GUTIERREZ   Colombia
Walter PAULUS     Germany
Ulf ZIEMANN       Germany
Margitta SEECK    Switzerland
Jonathan COLE     UK
Mark HALLETT      USA
Aatif HUSAIN      USA
Donald SANDERS    USA
General Meeting Information

Important Dates:

- Abstract Submission Open: 2 May 2019
- Registration Open: 8 July 2019
- Abstract Submission Deadline: 1 December 2019
- Abstract Notification Date: 2 January 2020
- Registration Cancellation Deadline: 14 January 2020
- Early Bird Registration Deadline: 15 January 2020

Kuala Lumpur, Malaysia. Visitor Information

Kuala Lumpur (called simply KL by locals) is the federal capital and the largest city in Malaysia.

Literally meaning “muddy river confluence” in Malay, Kuala Lumpur has grown from a small sleepy Chinese tin-mining village to a bustling metropolis of 7 million (city-proper population- 1.8 million) in just 150 years. A cultural melting pot with some of the world’s cheapest 5-star hotels, great shopping, even better food and some of nature’s wonders in just an hour away, this dynamic city has much to offer for every visitor.

Time Zone

Kuala Lumpur, Malaysia is in time zone UTC/GMT +8 hours.

VISA

Most visitors from ASEAN countries do not need a visa. Nationals from at least 125 countries do not need a visa for short stays.

- 40 countries (Asia & Oceania)
- 41 countries (Europe)
- 21 countries (America)
- 23 countries (Africa)


Conference Venue:

Royale Chulan Kuala Lumpur, Malaysia

Where Heritage meets Modern Luxury

Royale Chulan Kuala Lumpur brings a fusion of tradition and grandeur right at the heart of the city. Experience the highest grade of service rooted in Malay hospitality. Feel at ease in each lavish accommodation that takes inspiration from traditional design. It features a range of facilities that include fine-dining options and wellness treatments. Royale Chulan also offers easy access to the city’s prime destinations.

Airports

Direct flights from over 60 international airlines connecting 113 major cities in the world.

- Kuala Lumpur International Airport (KLIA) 50 International Airlines
- Kuala Lumpur International Airport 2 (KLIA 2) Low Cost Carrier Terminal. Air Asia connects up to 120 destinations within Asia

Local Currency

MYR is known as Malaysian Ringgit. Estimated exchange rate at MYR 4.00 = USD 1.00

Exhibitors & Sponsorship

Please email to info@aoccn2020.com or contact the Conference Secretariat at +60322760555 for more details on sponsorship or exhibiting at AOCCN 2020.
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<td>1230 - 1400</td>
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**Plenary 1: Face Perception in Humans**
Congress Day 1: Friday, 10 April, 2020 | 1100 - 1130

Ryusuke KAKIGI (Japan)
Prof. Ryusuke Kakigi, M.D., Ph.D., received a degree in Medicine from the Faculty of Medicine, Kyushu University, Japan, in 1978. He served as an assistant professor in the Department of Internal Medicine, Saga Medical School, Japan, between 1981 and 1993. In between, he worked as an invited researcher at the Institute of Neurology, London University, London, U.K., between 1983 and 1985. He served as a Professor and Chairperson at the Department of Integrative Physiology, Okayama, Japan, from 1993. His research interests include neuroimaging studies, mainly electroencephalography and magnetoencephalography. He is now focusing on face perception in humans.

**Plenary 2: The Clinical Application of the ALS Electrodiagnostic Criteria**
Congress Day 1: Friday, 10 April, 2020 | 1130 - 1200

David BURKE (Australia)
David Burke is Professor of Neurology at Royal Prince Alfred Hospital and University of Sydney. Previously he held Chairs of Clinical Neurophysiology and of Neurology at the University of New South Wales and was Chairman of the Department of Neurology, Prince Henry and Prince of Wales Hospitals. From 2002 to 2008, he was Dean of Research for the Health Faculties at University of Sydney and from 2008-2013 Bushell Professor of Neurology. He is a member of the Executive Committee of IFCN, immediate past Editor of Clinical Neurophysiology, and currently inaugural Editor of Clinical Neurophysiology Practice.

**Plenary 3: Clinical Neurophysiology of Movement Disorders - Example of Functional Movement Disorders**
Congress Day 1: Friday, 10 April, 2020 | 1200 - 1230

Mark HALLETT (USA)
Dr. Hallett is the Chief of the Human Motor Control Section, National Institute of Neurological Disorders and Stroke, NIH, Bethesda. He is past President of the International Federation of Clinical Neurophysiology and the President of the newly founded Functional Neurological Disorder Society. Dr. Hallett is also remote past President of the Movement Disorder Society and past Editor-in-Chief of Clinical Neurophysiology. His work mainly deals with principles of motor control and the pathophysiology of movement disorders.

**Plenary 4: Noninvasive Brain Stimulation - The Past, the Present and the Future**
Congress Day 2: Saturday, 11 April, 2020 | 1100 – 1130

Walter PAULUS (Germany)
Walter Paulus is Professor and Chair and Clinical Director of the Department of Clinical Neurophysiology, University Medical Centre Göttingen, Germany since 1992. He is also a member of the supervisory board of the University Medical Centre. He was involved in the development of new stimulation methods for induction of neuroplasticity such as tDCS, tACS and tRNS. His clinical focus encompasses Parkinson’s disease, restless legs syndrome, epilepsy and pain. Two years ago he was awarded with the Hans Berger Preis of the German Society of Clinical Neurophysiology. Since 2018 he is president of the International Federation of Clinical Neurophysiology.

**Plenary 5: Treatment Continuum of Non-Convulsive Status Epilepticus**
Congress Day 2: Saturday, 11 April, 2020 | 1130 – 1200

Aatif M. HUSAIN (USA)
Aatif M. Husain, M.D. is Professor, Department of Neurology, and Chief, Division of Epilepsy, Sleep and Clinical Neurophysiology at Duke University Medical Center, Durham, North Carolina. He is also the National Director of the Veterans Affairs Epilepsy Centers of Excellence. His clinical interests include treatment of acute seizures and status epilepticus, neurophysiologic intraoperative monitoring and general clinical neurophysiology. Dr Husain is currently the Editor-in-Chief of the Journal of Clinical Neurophysiology and the Treasurer of the International Federation of Clinical Neurophysiology. He is a past President of the American Clinical Neurophysiology Society and the American Board of Registration of EEG and EP Technologists.

**Plenary 6: Training and Education in Clinical Neurophysiology: A Global Perspective**
Congress Day 2: Saturday, 11 April, 2020 | 1200 – 1230

Jonathan COLE (UK)
Jonathan Cole is a consultant in Clinical Neurophysiology at Poole Hospital and Professor at Bournemouth University. He qualified from Oxford and The Middlesex Hospital, London and also undertook research in Oxford and Southampton. His main areas have been in sensory loss and motor control. He studied with Oliver Sacks as a medical student and has written five books on the subjective experience of chronic neurological impairment, related to deafferentation, spinal cord injury and facial difference. He is a past-President of the British Society for Clinical Neurophysiology, chaired the 2006 ICCN in Edinburgh and chair of the Europe-Middle East-Africa Chapter of the IFCN and sits on the IFCN ExCo.
Meet-the-Expert Session

**Expert 1: Clinical Neurophysiology Theme**
**My Practical Approach to the Electrodiagnosis of Peripheral Neuropathies**
Congress Day 2: Saturday, 11 April, 2020 | 0730 – 0830

Jun **KIMURA** *(Japan)*
Dr. Kimura received a Bachelor of Technology degree in 1957 and MD in 1961 both from Kyoto University in Japan. He moved to the United States as a Fulbright scholar in 1962 for residency training in neurology and fellowship in electrophysiology at the University of Iowa. He has served as Editor in Chief of Muscle & Nerve (1988-1997), President of American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM 1985-1986), International Federation of Clinical Neurophysiology (IFCN 1990-1993) and the World Federation of Neurology (WFN 2002-2005). His book "Electrodiagnosis in Diseases of Nerve and Muscle" has appeared in four editions.

This session is supported by Nihon Kohden.

**Expert 2: Movement Disorder/Sleep Theme**
**Sleep Abnormalities in Parkinson Disease**
Congress Day 2: Saturday, 11 April, 2020 | 0730 – 0830

Claudia **TRENKWALDER** *(Germany)*
Dr Claudia Trenkwalder, started her clinical education in neurology and movement disorders at the Dept. Neurology of the University Hospital in Munich in 1988, moved to the Max-Planck Institute of Psychiatry from 1993-2000, before continuing at the University of Goettingen. Since 2003 she is Medical Director of the Paracelsus-Elena Klinik in Kassel, center for Parkinsonism and Movement Disorders. She is Full Professor of Neurology at Dept. of Neurosurgery, University Medical Center Goettingen, Germany.

She has published more than 390 peer reviewed articles and is currently President-Elect of IPMDS, and was President of WASM (World Association of Sleep Medicine) from 2011-13 and is an active member of many national and international scientific societies and committees.

**Expert 3: Epilepsy Theme**
**First-Onset Seizures - An Update on the Concept and Review of Best Practice**
Congress Day 2: Saturday, 11 April, 2020 | 0730 – 0830

Margitta **SEECK** *(Switzerland)*
Dr Margitta Seeck is a professor of Neurology at the University of Geneva, Switzerland. She is director of the presurgical epilepsy program Geneva-Lausanne, which became a reference center for difficult-to-treat epilepsies in adults and children. She also heads the in- and outpatient unit of the EEG and Epilepsy Unit of the University Hospital of Geneva. She is past president of the Swiss Neurophysiological Society but she is still actively involved in teaching of EEG and epileptology.

She received her medical and doctoral degrees at the Ludwigs-Maximilians-University of Munich, where she also received her neurology training. After her medical studies, she did a postdoctoral fellowship at the Free University of Berlin and moved then to the United States where she was trained in EEG and epileptology at the Beth Israel Hospital, Harvard University. Her main interests are epilepsy surgery, EEG and EEG-based imaging in epilepsy, neurophysiology of intracranial EEG recordings. She is author of more than 170 papers on epilepsy in national and international journals, serves on several editorial boards of epilepsy journals, and is expert for the Swiss national science foundation and research agencies of other European and non-European countries. Furthermore, she is also actively involved in the Swiss Academy of Medical Sciences and in the International Federation of Clinical Neurophysiology.
## Pre-Congress Workshops

### WORKSHOP 1

**Intraoperative Neurophysiological Monitoring (IONM)**  
Thursday, 9 April, 2020 | 0830 - 1710

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<td>MEP Monitoring&lt;br&gt;Vye-Ling LO (Singapore)</td>
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<td>EMG Monitoring: Free-Run and Triggered&lt;br&gt;Y. YANG (Taiwan)</td>
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<td>IONM in Asia-Oceania: Current Status and Vision&lt;br&gt;Kyung-Seok PARK (Korea)</td>
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## WORKSHOP 2

### Nerve Conduction Studies (NCS) / Electromyogram (EMG)

**Thursday, 9 April, 2020 l 0830 - 1730**

The Workshop is exclusively supported by Natus Neurology and DanMedik

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<td>Jorge E. GUTIERREZ (Colombia)</td>
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<td>The Value of H-Reflex and Other Late Responses in Disease</td>
<td>David BURKE (Australia)</td>
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<td>Approach to Muscle Disease and Basic EMG Demonstration</td>
<td>Renato J. VERDUGO (Chile)</td>
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<tr>
<td>1400 - 1500</td>
<td>Electrodiagnostic Approach to Motor Neurone Disease</td>
<td>Satoshi KUWABARA (Japan)</td>
</tr>
<tr>
<td>1500 - 1600</td>
<td>Repetitive Nerve Stimulation in Neuromuscular Junction Disorder</td>
<td>Donald B. SANDERS (USA)</td>
</tr>
<tr>
<td>1600 - 1630</td>
<td>Tea Break</td>
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</tr>
<tr>
<td>1630 - 1730</td>
<td>Quantitative EMG Analysis</td>
<td>Masahiro SONOO (Japan)</td>
</tr>
</tbody>
</table>

**Note:** Live demonstrations will be done with Dr Sanjeev Nandedkar
### Agenda:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>0900 - 0930</td>
<td>The Origin of EEG, Recording Techniques and Quality&lt;br&gt;John W. DUNNE (Australia)</td>
</tr>
<tr>
<td>0930 - 1000</td>
<td>Normal EEG: Awake (Children and Adults), Including Activation Procedures&lt;br&gt;Chong-Tin TAN (Malaysia)</td>
</tr>
<tr>
<td>1000 - 1030</td>
<td>Normal EEG: Drowsiness and Sleep, and Normal Variants&lt;br&gt;Manjari TRIPATHI (India)</td>
</tr>
<tr>
<td>1030 - 1100</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>1100 - 1130</td>
<td>Generalised Epileptiform Patterns - Interictal and Ictal: Defining the Clinical Syndrome&lt;br&gt;Raymond Azman ALI (Malaysia)</td>
</tr>
<tr>
<td>1130 - 1200</td>
<td>Focal Epileptiform Patterns - Interictal: Utility and Limitations&lt;br&gt;Yotin CHINVARUN (Thailand)</td>
</tr>
<tr>
<td>1200 - 1230</td>
<td>Focal-Onset Seizures: Surface Ictal EEG Recordings and Localisation&lt;br&gt;Byung-In LEE (South Korea)</td>
</tr>
<tr>
<td>1230 - 1400</td>
<td>Lunch</td>
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<tr>
<td>1300 - 1430</td>
<td>Localisation of Seizures - Seizure Semiology&lt;br&gt;Chong WONG (Australia)</td>
</tr>
<tr>
<td>1430 - 1500</td>
<td>Invasive Monitoring: When Is It Necessary and What Techniques?&lt;br&gt;Sinclair LIU (China)</td>
</tr>
<tr>
<td>1500 - 1530</td>
<td>Advances in EEG Analysis - Wide-Band EEG, Dense-Array EEG and Quantitative EEG&lt;br&gt;Akio IKEDA (Japan)</td>
</tr>
<tr>
<td>1530 - 1600</td>
<td>Tea Break</td>
</tr>
<tr>
<td>1600 - 1630</td>
<td>EEG in ICU - Indications, Recording Techniques, Terminology and Artefacts&lt;br&gt;Aatif M. HUSAIN (USA)</td>
</tr>
<tr>
<td>1630 - 1700</td>
<td>Status Epilepticus and the Ictal-Interictal Continuum&lt;br&gt;John W. DUNNE (Australia)</td>
</tr>
<tr>
<td>1700 - 1730</td>
<td>EEG Coma Patterns and Prognosis&lt;br&gt;Kheng-Seang LIM (Malaysia)</td>
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## Pre-Congress Workshops

### WORKSHOP 4

**Transcranial Magnetic Stimulation (TMS)**

*Thursday, 9 April, 2020  I  0830 - 1730*

The Workshop is supported by MagStim

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### Agenda:

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>0830-0900</td>
<td>Introduction to TMS&lt;br&gt;Walter PAULUS (Germany)</td>
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<tr>
<td>0900 - 0930</td>
<td>Parameters of TMS&lt;br&gt;Ulf ZIEMANN (Germany)</td>
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<tr>
<td>0930 - 1000</td>
<td>Clinical Application of Motor Evoked Potentials (MEPs)&lt;br&gt;Mark HALLETT (USA)</td>
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<tr>
<td>1000 - 1030</td>
<td>Introduction to rTMS&lt;br&gt;Ying-Zu HUANG (Taiwan)</td>
</tr>
<tr>
<td>1030 - 1100</td>
<td><strong>Coffee Break</strong></td>
</tr>
<tr>
<td>1100 - 1200</td>
<td>Live Demonstration - Acquisition of TMS Parameters&lt;br&gt;<em>Searching for the Motor Hot-Spot</em>&lt;br&gt;<em>Measures of Motor Threshold</em>&lt;br&gt;<em>Motor Evoked Potential</em>&lt;br&gt;<em>Central Motor Conduction Time</em>&lt;br&gt;<em>Paired Pulse Stimulation</em>&lt;br&gt;<em>Cortical Silent Period</em>&lt;br&gt;Yoshikazu UGAWA (Japan)</td>
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<tr>
<td>1200 - 1300</td>
<td>Hands-on Session</td>
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<tr>
<td>1300 - 1400</td>
<td>Lunch</td>
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<tr>
<td>1400 - 1530</td>
<td>Threshold-tracking TMS&lt;br&gt;Steve VUCIC (Australia)</td>
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<tr>
<td>1530 - 1600</td>
<td>Tea Break</td>
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<tr>
<td>1600 - 1730</td>
<td>Hands-on Session</td>
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<tr>
<td>1300 - 1400</td>
<td>Lunch</td>
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<tr>
<td>1400 - 1530</td>
<td>Threshold-tracking TMS&lt;br&gt;Steve VUCIC (Australia)</td>
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<td>1530 - 1600</td>
<td>Tea Break</td>
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<tr>
<td>1600 - 1730</td>
<td>Hands-on Session</td>
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</table>

**WORKSHOP 5**

**Neuromuscular Ultrasound (NMUS)**

Thursday, 9 April, 2020   l   0830 - 1730

The Workshop is exclusively supported by Cadwell

**Agenda:**

0830 - 0900  Introduction to NMUS  
*Einar P. WILDER-SMITH (Switzerland)*

0900 - 0930  NMUS In the Upper Extremities  
*Byung-Jo KIM (South Korea)*

0930 - 1000  NMUS of the Brachial Plexus  
*Stephan GOEDEE (Netherlands)*

1000 - 1030  Overview of Quantitative Muscle Ultrasound  
*Nens VAN ALFEN (Netherlands)*

1030 - 1100  Coffee Break

1100 - 1300  Hands-On Stations (SESSION 1)  
Hands-on Station 1:  
Median, Ulnar and Radial Nerves  
*Einar P. WILDER-SMITH (Switzerland)*

Hands-on Station 2:  
Median, Ulnar and Radial Nerves  
*Joy VIJAYAN (Singapore)*

Hands-on Station 3:  
Muscle US in the Upper Limbs  
*Nens VAN ALFEN (Netherlands)*

Hands-on Station 4:  
Muscle US in the Upper Limbs  
*Byung-Jo KIM (South Korea)*

Hands-on Station 5:  
Brachial Plexus  
*Stephan GOEDEE (Netherlands)*

Hands-on Station 6:  
Brachial Plexus  
*Yu-ichi NOTO (Japan)*

1300 - 1400  Lunch

1400 - 1430  NMUS in the Lower Extremities  
*Joy VIJAYAN (Singapore)*

1430 - 1500  Ultrasound of the Diaphragm  
(with demonstration)  
*Nens VAN ALFEN (Netherlands)*

1500 - 1530  US of Tongue and Cranial Nerves  
*Yu-ichi NOTO (Japan)*

1530 - 1545  Tea Break

1545 - 1725  Hands-On Stations (SESSION 2)  
Hands-on Station 1:  
Tibial, Peroneal and Sural Nerves  
*Einar P. WILDER-SMITH (Switzerland)*

Hands-on Station 2:  
Tibial, Peroneal and Sural Nerves  
*Joy VIJAYAN (Singapore)*

Hands-on Station 3:  
US of Diaphragm  
*Nens VAN ALFEN (Netherlands)*

Hands-on Station 4:  
Muscle US in Lower Limbs  
*Stephan GOEDEE (Netherlands)*

Hands-on Station 5:  
Muscle US in Lower Limbs  
*Byung-Jo KIM (South Korea)*

Hands-on Station 6:  
Tongue and Other Cranial Nerves  
*Yu-ichi NOTO (Japan)*
## Pre-Congress Workshops

### WORKSHOP 6

**Specialized Program On Botulinum Toxin Techniques & Differentiation (SPOT→D) Workshop**  
Thursday, 9 April, 2020 | 0830 – 1800

The Workshop is exclusively supported by Ipsen

### Agenda:

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>0830 - 0840</td>
<td>Welcome &amp; Introduction</td>
<td>Ai-Huey TAN (Malaysia)</td>
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<tr>
<td>0840 - 0920</td>
<td>Three T’s in Optimizing Botulinum Toxin Therapy in the Clinics: Timing, Targeting &amp; Tailoring Approaches</td>
<td>Raymond L. ROSALES (Philippines)</td>
</tr>
<tr>
<td>0920 - 1000</td>
<td>Blepharospasm &amp; Hemifacial Spasm: Strategy to Start, Muscle Selection and Common Pitfalls</td>
<td>Shen-Yang LIM (Malaysia)</td>
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<tr>
<td>1000 - 1010</td>
<td>Q&amp;As with Panel of Experts</td>
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<tr>
<td>1010 - 1040</td>
<td>Tea Break</td>
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<tr>
<td>1040 - 1120</td>
<td>Cervical Dystonia: Strategy to Start, Muscles Selection and Common Pitfalls</td>
<td>Erle LIM (Singapore)</td>
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<tr>
<td>1120 - 1130</td>
<td>Q&amp;As with Panel of Experts</td>
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<tr>
<td>1130 - 1215</td>
<td>Limb Spasticity &amp; Focal Limb Dystonia: Strategy to Start, Muscles Selection and Common Pitfalls</td>
<td>Raymond L. ROSALES (Philippines)</td>
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<tr>
<td>1215 - 1225</td>
<td>Q&amp;As with Panel of Experts</td>
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<tr>
<td>1225 - 1305</td>
<td>Pragmatic Guide for Ultrasound Guided BotulinumToxin Injection in Clinical Practice: When and How</td>
<td>Serdar KOCER (Switzerland)</td>
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<tr>
<td>1305 - 1315</td>
<td>Q&amp;As with Panel of Experts</td>
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<tr>
<td>1315 - 1415</td>
<td>Lunch</td>
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<tr>
<td>1415 - 1500</td>
<td>Live Demonstration 1: Muscle Localization in Cervical Dystonia – Utility of EMG and Ultrasound</td>
<td>Serdar KOCER (Switzerland) and Raymond ROSALES (Philippines)</td>
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<tr>
<td>1530 - 1545</td>
<td>Tea Break</td>
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<tr>
<td>1545 - 1700</td>
<td>Live Demonstration 2: Muscle Localization in Limb Dystonia and Spasticity – Utility of EMG and Ultrasound</td>
<td>Serdar KOCER (Switzerland) and Raymond ROSALES (Philippines)</td>
</tr>
<tr>
<td>1700 - 1800</td>
<td>Unforgettable Lessons I Learn From My Patients</td>
<td>Erle LIM (Singapore) and Shen-Yang LIM (Malaysia)</td>
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<tr>
<td>1745 - 1800</td>
<td>Closing &amp; Appreciation</td>
<td>Ai Huey TAN (Malaysia)</td>
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</table>

**Note:** Live demonstrations with selected patients will be performed by the designated experts on-stage. We will employ professional audio video support, and live close-up footage of the demonstrations will be televised to the audience in the lecture hall.
Symposium - Congress Day 1 (10 April 2020)

Concurrent Sessions: 0830 - 1030

**Symposium 1: Movement Disorders 1**

**Agenda:**
- Evaluation of Tremors
  Pattamon PANYAKAEW (Thailand)
- Evaluation of Myoclonus
  Ritsuko HANAJIMA (Japan)
- Evaluation of Dystonia
  Pramod Kumar PAL (India)
- Focal Injection Therapies in Movement Disorders
  Raymond L. ROSALES (Philippines)

**Symposium 2: Motor Neurone Disease**

**Agenda:**
- Monomelic Amyotrophy - Experience from a Large Cohort
  Atcharayam NALINI (India)
- Neurophysiological Biomarkers in ALS
  Steve VULIC (Australia)
- Role of Ultrasound in ALS
  Yu-ichi NOTO (Japan)
- Electrophysiological Characteristics of Neuromuscular Junction in ALS
  Liying CUI (China)

**Symposium 3: Intraoperative Neurophysiological Monitoring (IONM) 1**

**Agenda:**
- IONM during Cerebrovascular Surgery
  Kunihiko KODAMA (Japan)
- Intraoperative Neuromonitoring and Mapping during Brain Tumour
  Tsui-Fen YANG (Taiwan)
- IONM in Spine Deformity Surgery
  Sandip CHATTERJEE (India)
- Monitoring of Peripheral Nerve Surgery
  Jorge E. GUTIERREZ (Colombia)

Concurrent Sessions: 1400 - 1530

**Symposium 4: Movement Disorders 2**

**Agenda:**
- Balance and Gait Assessment
  Margaret MAK (Hong Kong)
- Eye Movement Disorders due to Brainstem Dysfunctions
  Ji-Soo KIM (South Korea)
- Evaluation of the Vestibular System
  James COLEBATCH (Australia)

**Symposium 5: Neuromuscular Junction and Related Disorders**

**Agenda:**
- Clinical Overview of Myasthenia Gravis and Related Disorders
  Donald B. SANDERS (USA)
- Seronegative MG - Autoantibody Profiles and Clinical Features
  Yoon-Ho HONG (South Korea)
- Therapeutic Considerations in Myasthenia Gravis
  Tomihiro IMAI (Japan)

**Symposium 6: Intraoperative Neurophysiological Monitoring (IONM) 2**

**Agenda:**
- IONM of Brainstem - Focus on Corticobulbar MEP and Brainstem Reflexes
  Kyung-Seok PARK (South Korea)
- Update on Intraoperative Neuromonitoring of Cervical Spine Surgery
  Yew-Long LO (Singapore)
- Neurophysiologic Intraoperative Monitoring for Pain Surgeries
  Aatif M. HUSAIN (USA)
Symposium - Congress Day 2 (11 April 2020)

Concurrent Sessions: 0830 - 1030
Symposium 7: Epilepsy 1 - Advanced EEG Analysis in Clinical Practice

Agenda:
- Infraslow, DC Shift and High Frequency Oscillations: Established Tool or Research Topic?
  Akio IKEDA (Japan)
- Source Dipole Modelling: Established Tool or Research Topic?
  Yotin CHINVARUN (Thailand)
- MEG in Epilepsy: Established Tool or Research Topic?
  Shozo TOBIMATSU (Japan)
- EEG and fMRI recordings: Established Tool or Research Topic?
  John ARCHER (Australia)

Symposium 8: Nerve and Muscle 1

Agenda:
- Diabetic Neuropathies
  Einar P. WILDER-SMITH (Switzerland)
- Electrophysiological Features in GBS and CIDP
  Satoshi KUWABARA (Japan)
- Evaluation of Small Fibre Neuropathy and Therapeutic Progress
  Sung-Tsang HSIEH (Taiwan)
- Autonomic Dysfunction in Neurological Conditions
  Max J. HILZ (Germany)

Symposium 9: Noninvasive Brain Stimulation (NIBS) 1

Agenda:
- The Effects of Non-Invasive Brain Stimulation and Neuroplasticity
  Ying-Zu HUANG (Taiwan)
- Utility of Threshold-Tracking TMS in ALS
  Steve VUCIC (Australia)
- Probing the Pathophysiology of Movement Disorders with TMS
  Jung-E PARK (South Korea)
- EEG-TMS: Physiology and First Evidence of Clinical Utility
  Ulf ZIEMANN (Germany)

Concurrent Sessions: 1400 - 1530
Symposium 10: Epilepsy 2

Agenda:
- Temporal Plus Epilepsies
  Manjari TRIPATHI (India)
- Parietal Lobe Epilepsy
  Chong WONG (Australia)
- Multifocal Lesions
  Sinclair LIU (China)

Symposium 11: Nerve and Muscle 2

Agenda:
- Paraproteinaemic Neuropathies including POEMS
  Sonoko MISAWA (Japan)
- Neuromuscular Complications in HIV
  Fitri OCTAVIANA (Indonesia)
- Critical Illness-Associated Weakness
  Mathew ALEXANDER (India)
- Neuromuscular Manifestation of Nutritional Deficiencies
  Fu-Liong HIEW (Malaysia)

Symposium 12: Noninvasive Brain Stimulation (NIBS) 2

Agenda:
- Overview of Therapeutic Efficacy of Non-invasive Brain Stimulation in Stroke
  Ulf ZIEMANN (Germany)
- Rewiring Pain Through Non-Invasive Brain Stimulation
  Siobhan SCHABRUN (Australia)
- Therapeutic Application of TCS in Movement Disorders
  Yoshikazu UGAWA (Japan)
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>0800 - 0830</td>
<td>Registration</td>
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<tr>
<td>0830 - 0915</td>
<td>Practical Tips to Perform Neurological Examination</td>
<td>Raymond Azman Ali (Malaysia)</td>
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<tr>
<td>0915 - 1000</td>
<td>Approach to Cranial Nerve Examination</td>
<td>Hui-Jan Tan (Malaysia)</td>
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<tr>
<td>1000 - 1030</td>
<td>Approach to Upper Limb Examination</td>
<td>Wan Nur Nafisah Wan YAHYA (Malaysia)</td>
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<tr>
<td>1030 - 1100</td>
<td>Tea Break</td>
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<tr>
<td>1100 - 1230</td>
<td>Plenary Lectures</td>
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<tr>
<td>1230 - 1400</td>
<td>Lunch Break</td>
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<tr>
<td>1400 - 1430</td>
<td>Approach to Lower Limb Examination</td>
<td>Rabani Remli (Malaysia)</td>
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<tr>
<td>1430 - 1500</td>
<td>Approach to Parkinsonism</td>
<td>Norlinah Mohamed Ibrahim (Malaysia)</td>
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<tr>
<td>1500 - 1530</td>
<td>Hands-on Session and Group Discussion</td>
<td>Raymond Azman Ali (Malaysia)</td>
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<td>Hui-Jan Tan (Malaysia)</td>
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<td>Rabani Remli (Malaysia)</td>
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<td>1530 - 1600</td>
<td>Tea Break</td>
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<tr>
<td>1600 - 1730</td>
<td>Hands-on Session and Group Discussion</td>
<td>All Faculties</td>
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<td>1730</td>
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<tr>
<td>0800 - 0825</td>
<td>Registration</td>
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<tr>
<td>0825 - 0830</td>
<td>Opening</td>
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<tr>
<td>0830 - 0900</td>
<td>Approach to History Taking and Communication Skills (MRCP Based)</td>
<td>Santhi Datuk PUVANARAJAH (Malaysia)</td>
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<tr>
<td>0900 - 0930</td>
<td>Approach to Cerebellar Ataxia</td>
<td>Ahmad Shahir (Malaysia)</td>
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<tr>
<td>0930 - 1000</td>
<td>Approach to Abnormal Gait Disorders</td>
<td>Joyce Joseph (Malaysia)</td>
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<td>1000 - 1030</td>
<td>Approach to Speech Disorders</td>
<td>Suganthi Chinnasami (Malaysia)</td>
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<td>1030 - 1100</td>
<td>Tea Break</td>
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<td>1230 - 1400</td>
<td>Lunch Break</td>
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<tr>
<td>1400 - 1430</td>
<td>Clinical Examination Tips and Common Pitfalls of Neurological Examination</td>
<td>Azman Aris (Malaysia)</td>
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<td>Chin-Yong Kok (Malaysia)</td>
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<tr>
<td>1430 - 1530</td>
<td>Hands-on Session and Group Discussion</td>
<td>Santhi Datuk PUVANARAJAH (Malaysia)</td>
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<td>Suganthi Chinnasami (Malaysia)</td>
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<tr>
<td>1530 - 1600</td>
<td>Tea Break</td>
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<tr>
<td>1600 - 1700</td>
<td>Hands-on Session and Group Discussion (Continued)</td>
<td>Santhi Datuk PUVANARAJAH (Malaysia)</td>
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<td>Ahmad Shahir (Malaysia)</td>
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<td>Suganthi Chinnasami (Malaysia)</td>
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<td>Mohd Suffian Adenan (Malaysia)</td>
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<td>Chin-Yong Kok (Malaysia)</td>
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<td>Azman Aris (Malaysia)</td>
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<td>1500 - 1515</td>
<td>Closing</td>
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## MSN Basic Neuroscience (BNC) Parallel Session @ AOCCN 2020

### Agenda:

<table>
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<tbody>
<tr>
<td>0730 - 0830</td>
<td>Morning Coffee</td>
</tr>
<tr>
<td>0830 - 1000</td>
<td>Translational Neuroscience Forum (Theme 1)</td>
</tr>
<tr>
<td>1000 - 1030</td>
<td>Coffee Break</td>
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<tr>
<td>1030 - 1100</td>
<td>Young/Early-Career BNC Investigators’ – ‘5-Min Elevator Pitch’</td>
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<tr>
<td>1100 – 1300</td>
<td>Translational Neuroscience Forum (Theme 2)</td>
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<tr>
<td>1300 - 1400</td>
<td>Lunch Symposium</td>
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<tr>
<td>1400 - 1530</td>
<td>Free Paper Presentations (Session 1)</td>
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<tr>
<td>1530 - 1600</td>
<td>Tea Break</td>
</tr>
<tr>
<td>1600 - 1730</td>
<td>Free Paper Presentations (Session 2)</td>
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<tr>
<td>1730 - 1830</td>
<td>Poster Viewing</td>
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### Educational Course 1

**Single Fibre EMG**

Sunday, 12 April, 2020 | 0830 - 1230

**Agenda:**
- 0830 - 0930: Single-Fibre EMG: Recording Principles and Parameters
  - Donald B. SANDERS (USA)
- 0930 - 1030: Demonstration: Recording Jitter with Voluntary Activation
  - Donald B. SANDERS (USA)
- 1030 - 1100: Coffee Break
- 1100 - 1200: Stimulation Single-Fibre EMG - Methods and Pitfalls
  - Masahiro SONOO (Japan)
- 1120 - 140: Demonstration: Stimulation Single-Fibre EMG
  - Masahiro SONOO (Japan)
- 1140 - 1230: Jitter Analysis with Concentric Needle EMG
  - Donald B. SANDERS (USA)

**Educational Course 2**

**Practical Approach to Evaluation of Movement Disorders**

Sunday, 12 April, 2020 | 0830 - 1215

**Agenda:**
- 0830 - 0910: Sensori-Motor Organization of Focal Hand Dystonia
  - Mathew ALEXANDER (India)
- 0910 - 1030: Tremors: Methods of Surface EMG and Accelerometry
  - Pattamon PANYAKAEW (Thailand)
- 1030 - 1100: Coffee Break
- 1100 - 1200: Case-based discussion
  - All Faculty
- 1200 - 1215: Closing Remarks
  - Mark HALLETT (USA)

**Educational Course 3**

**Sonography in Neurological Disorders**

Sunday, 12 April, 2020 | 0830 – 1200

**Agenda:**
- 0830 - 0915: Imaging As a Natural Complementary Test in Neuromuscular Medicine
  - Einar P. WILDER-SMITH (Switzerland)
- 0915 - 0945: NMUS in Focal Neuropathies
  - Joy VIJAYAN (Singapore)

**Educational Course 4**

**Nerve and Muscle Excitability Studies**

Sunday, 12 April, 2020 | 0830 – 1215

**Agenda:**
- 0830 - 0900: Introduction to Axonal Excitability Studies Using Threshold Tracking
  - Satoshi KUWABARA (Japan)
- 0900 - 1000: Demonstration of Axonal Excitability Studies
  - Cindy, Shin-Yi LIN (Australia)
- 1000 - 1030: Axonal Excitability in Diabetes
  - Jia-Ying SUNG (Taiwan)
- 1030 - 1100: Coffee Break
- 1100 - 1200: Muscle Membrane Excitability
  - Karl NG (Australia)
- 1200 - 1215: Closing Remarks
  - David Burke (Australia)

**Educational Course 5**

**Autonomic Neuropathy**

Sunday, 12 April, 2020 | 0830 – 1200

**Agenda:**
- 0830 - 0930: Transient Loss of Consciousness - Differential Evaluation of “Blackouts”
  - Max J. HILZ (Germany)
- 0930 - 1030: Central Autonomic Regulation and the Brain-Heart Azis
  - Max J. HILZ (Germany)
- 1030 - 1100: Coffee Break
- 1100 - 1200: Fabry Disease: A Neurological and Neurophysiological Chameleon
  - Max J. HILZ (Germany)
Congress Registration

Important Dates

Registration Open: 8 July 2019    Early Bird Registration Deadline: 15 January 2020


Registration Fees

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<tr>
<td><strong>MALAYSIAN</strong></td>
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<tr>
<td>MSN Member</td>
<td>RM800</td>
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<td>MSN Member – Trainees and Students</td>
<td>RM650</td>
<td>RM700</td>
<td>RM750</td>
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<td>Allied Health Professionals*</td>
<td>RM550</td>
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<td>MSN Basic Neuroscience (BNC) Session Day Pass**</td>
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<th><strong>INTERNATIONAL</strong></th>
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<tr>
<td>Regular</td>
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<td>Regular (Low/Middle Income Countries*)</td>
<td>USD350</td>
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<td>Young Participants**</td>
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# Allied Health Professionals refers to Non-Clinicians and includes Technologists, Nurses and Therapists
### MSN Basic Neuroscience (BNC) Session Day Pass is a one day pass to attend MSN Basic Neuroscience (BNC) Parallel Session on the 11th April 2019 and is only available to members of the MSN Basic Neuroscience Council.

* Low/Middle Income Countries are defined according to the World Bank Country Classification A and B. [For more info, please visit: [http://aoccn2020.com/dwnlds/World_Bank_A_and_B_countries.pdf](http://aoccn2020.com/dwnlds/World_Bank_A_and_B_countries.pdf)]

** Young Participants refer to any clinicians/researchers born after 1st January 1975 or those still in training including residents, fellows and students. Please e-mail a copy of official document indicating your age or a letter from your employer stating your training status to be eligible for this discount. Without documentation, the delegate will be charged the regular rate.

Workshop

Only Open to Congress Registrants

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<tr>
<td><strong>Electroencephalography</strong></td>
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<td><strong>Nerve Conduction Studies / Electromyography</strong></td>
<td>USD25</td>
<td>RM100</td>
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<tr>
<td><strong>Neurophysiological Intraoperative Monitoring</strong> <em>limited spaces</em></td>
<td>USD25</td>
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<td><strong>Transcranial Magnetic Stimulation</strong></td>
<td>USD25</td>
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<td><strong>Specialized Program On Botulinum Toxin Techniques &amp; Differentiation (SPOT→D)</strong> <em>limited spaces</em></td>
<td>USD25</td>
<td>RM100</td>
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<tr>
<td><strong>Neuromuscular Ultrasound (with hands-on)</strong> <em>limited to 30 participants</em>*</td>
<td>USD40</td>
<td>RM160</td>
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INT: international delegates; MY: Malaysian delegates
Cancellation And Refund Policy
Please be advised that refunds are subject to an administration fee of USD75 for International and RM250 for Malaysian.

- Up to and including 14 January 2020 (early registration deadline): 100% refund.
- From 15 January 2020 – 1 March 2020: 50% refund.
- From 2 March 2020: No refunds.

If no refund is required but a change in participant registration is needed, then the Secretariat must be informed in writing via email to info@aoccn2020.com

Certificate Of Attendance
A certificate of attendance will be issued to all delegates. CPD / CME points pending approval.

Bank Details
If you are making payment via telegraphic transfers, bank charges are to be borne by delegate. All payment must be made to the following account:

Payment for AOCCN 2020 is to be made to :-

Payable to PERSATUAN NEUROSAINS MALAYSIA
Bank Name CIMB Bank Berhad
Bank Address LG 2.01, KL GATEWAY MALL, NO. 2, JALAN KERINCHI,
GERBANG KERINCHI LESTARI, 59200 KUALA LUMPUR
Account Number 8009761641
Swift Code CIBBMYKL

Liability
The Organising Committee will not be liable for personal accidents, loss or damage to private property of the participants during duration of the congress. Participants should make their own personal arrangements.

Disclaimer
Whilst every attempt is made to ensure that all aspect of the congress as mentioned in this announcement will take place as scheduled, the Organising Committee reserves the right to make last minute changes should the need arise.
ASIAN-OCEANIAN CONGRESS ON CLINICAL NEUROPHYSIOLOGY
in conjunction with the
30th MALAYSIAN SOCIETY OF NEUROSCIENCES
ANNUAL SCIENTIFIC MEETING

Organised By:
Malaysian Society of Neurosciences
Website: www.neuro.org.my

For Congress Enquiries Please Contact 7th AOCCN 2020 Conference Secretariat:
Medical Conference Partners
Tel: +603 7931 2856
Address: 9, Jalan 9/3, Section 9, 46000 Petaling Jaya, Selangor, Malaysia
Email: info@aoccn2020.com
Website: www.aoccn2020.com

IMPORTANT DATES

Abstract Submission Opens
2 May 2019

Registration Opens
8 July 2019

Abstract Submission Deadline
1 December 2019

Abstract Notification Date
2 January 2020

Registration Cancellation Deadline
14 January 2020

Early Bird Registration Deadline
15 January 2020

This announcement is correct at the point of sharing. Details will be updated as the planning progresses.