WE WELCOME

• Neurologists
• Neurosurgeons
• Neuroscientists
• Clinical Neurophysiologists
• Rehab Physicians
• General Physicians
• Orthopaedic Surgeons
• Master Trainees / Residents
• Allied Health Professionals
• Technologists

Organised By: Malaysian Society of Neurosciences
Supported By:

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

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

9th to 12th April 2020
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• 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

AOCCN-MSN 2020 Committee Members

Congress Convenors
Nortina SHAHRIZAILA
Chair, MSN Clinical Neurophysiology Section
Ai-Huey TAN
President, Malaysian Society of Neuroscience (MSN)

Clinical Neurophysiology Section Committee
Nortina SHAHRIZAILA (Chair)
Rabani REMLI (Secretary)
Cheng-Yin TAN (Treasurer)
Khean-Jin GOH
Fu-Liong HIEW
Wan-Chung LAW
Beng-Hooi ONG
Ruban KANESALINGAM
Santhi Datuk PU VANARAJAH

About Malaysian Society of Neuroscience (MSN)
Established on 3rd March 1989, the Malaysian Society of Neuroscience (MSN) is the professional body that represents Malaysian clinicians, scientists and allied health professionals in the various fields of neurosciences, and is part of the member societies of the World Federation of Neurology. MSN provides a platform for professional exchange, education and collaboration amongst its members, with the aim to promote advancement of neuroscience in the country. MSN also consists of various subspecialty chapters/councils including basic neuroscience, child neurology & developmental paediatrics, stroke, epilepsy, movement disorders, clinical neurophysiology & neuromuscular, and neuroimmunology & neuroinfection. With the increasing interest in neurosciences and the rapid development of this field in Malaysia and worldwide, MSN’s membership has been growing over the years, with over 700 members to date.

Website : www.neuro.org.my

About Clinical Neurophysiology Section, Malaysian Society of Neurosciences
Clinical Neurophysiology and Neuromuscular Section (CNNS), Malaysian Society of Neurosciences (MSN) is a chapter within the Society representing members of the MSN with an interest in clinical neurophysiology and/or neuromuscular disorders. Its’ objectives are to promote education and training of health professionals in the field of clinical neurophysiology and neuromuscular disorders; to continue to improve the practice of clinical neurophysiology through advice on methods, techniques and interpretation of results in clinical neurophysiology and to promote research in all branches of clinical neurophysiology and related sciences.

CNNS MSN was awarded the privilege of hosting the 7th Asian-Oceanian Congress on Clinical Neurophysiology 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)
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 AOC CN) 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 AOC CN was held in Beijing, China, back in 1996, AOC CN 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)
Congress Planning Committees

Convenors of AOCCN 2020
Nortina SHAHRIZAILA
Chair, MSN Clinical Neurophysiology Section

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

AOCCN 2020 Scientific Advisory Committee
Nortina SHAHRIZAILA, Co-chair
Khean-Jin GOH, Co-chair

MSN Scientific Committee
Fu-Liong HIEW
Chin-Yong KOK
Kheng-Seang LIM
Shen-Yang LIM
Beng-Hooi ONG
Rabani REMLI
Cheng-Yin TAN

International Advisory Committee

AO-IFCN

President
Ryusuke KAKIGI Japan

Secretary/Treasurer
Ying-Zu HUANG Taiwan

David BURKE Australia
John DUNNE Australia
Liying CUI China
Bun SHENG Hong Kong
Manfaluthy HAKIM Indonesia
Mathew ALEXANDER India
Shozo TOBIMATSU Japan
Byung-Jo KIM Korea
Kyung-Seok PARK Korea
Hans DAMIAN Philippines
Yew-Long LO Singapore
Einar WILDER-SMITH Switzerland
Sung-Tsang HSIEH Taiwan
Charungthai DEJTHEVAPORN Thailand

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.
### Program Overview

#### 9 APRIL 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Workshops</th>
</tr>
</thead>
</table>
| 0730 - 1830 | Workshop 1 - Intraoperative Neurophysiological Monitoring (IONM)  
Workshop 2 - Nerve Conduction Studies (NCS) and Electromyography (EMG)  
Workshop 3 - Electroencephalography (EEG)  
Workshop 4 - Transcranial Magnetic Stimulation (TMS)  
Workshop 5 - Neuromuscular Ultrasound (NMUS)  
Workshop 6 - Botulinum Toxin |
| 1830 - 2000 | Opening Ceremony |

#### 10 APRIL 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Symposiums</th>
</tr>
</thead>
<tbody>
<tr>
<td>0730 - 0830</td>
<td>Registration &amp; Morning Coffee</td>
</tr>
</tbody>
</table>
| 0830 - 1030 | Symposium 1 (S1)  
Movement Disorders 1  
Symposium 2 (S2)  
Motor Neurone Disease  
Symposium 3 (S3)  
IONM 1 |
| 1030 - 1100 | Coffee Break |
| 1100 - 1230 | Plenary Lectures |
| 1230 - 1400 | Lunch Symposiums |
| 1400 - 1530 | Symposium 4 (S4)  
Movement Disorders 2  
Symposium 5 (S5)  
Neuromuscular Junction and Related Disorders  
Symposium 6 (S6)  
IONM 2 |
| 1530 - 1600 | Tea Break |
| 1600 - 1730 | Oral Presentations |
| 1730 - 1830 | POSTER TOUR |
| 1830 - 2000 | Dinner Symposiums |

#### 11 APRIL 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Educational Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>0730 - 0830</td>
<td>Meet-the-Expert Sessions</td>
</tr>
</tbody>
</table>
| 0830 - 1030 | Symposium 7 (S7)  
Epilepsy 1  
Symposium 8 (S8)  
Nerve and Muscle 1  
Symposium 9 (S9)  
Noninvasive Brain Stimulation (NIBS) 1 |
| 1030 - 1100 | Coffee Break |
| 1100 - 1230 | Plenary Lectures |
| 1230 - 1400 | Lunch Symposiums |
| 1400 - 1530 | Symposium 10 (S10)  
Epilepsy 2  
Symposium 11 (S11)  
Nerve and Muscle 2  
Symposium 12 (S12)  
NIBS 2 |
| 1530 - 1600 | Tea Break |
| 1600 - 1730 | Oral Presentations |
| 1730 - 1830 | POSTER TOUR |

#### 12 APRIL 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Educational Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>0730 - 0830</td>
<td>Morning Coffee</td>
</tr>
</tbody>
</table>
| 0830 - 1000 | Educational Course 1 (EC1)  
Single Fibre EMG  
Educational Course 2 (EC 2)  
Evaluation of Movement Disorders  
Educational Course 3 (EC3)  
Sonography in Neurological Disorders  
Educational Course 4 (EC4)  
Nerve and Muscle Excitability  
Educational Course 5 (EC5)  
Autonomic Neuropathy |
| 1000 - 1030 | Coffee Break |
| 1030 - 1230 | Educational Course 1 (EC1)  
Single Fibre EMG  
Educational Course 2 (EC 2)  
Evaluation of Movement Disorders  
Educational Course 3 (EC3)  
Sonography in Neurological Disorders  
Educational Course 4 (EC4)  
Nerve and Muscle Excitability  
Educational Course 5 (EC5)  
Autonomic Neuropathy |
| 1230 - 1400 | Awards & Closing |
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, Okazaki, 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.
Pre-Congress Workshops

WORKSHOP 1
Intraoperative Neurophysiological Monitoring (IONM)
Thursday, 9 April, 2020  |  0830 - 1710

Agenda:
0830 - 0910  SEP Monitoring
Sandip CHATTERJEE (India)
0910 - 0950  MEP Monitoring
Yew-Long LO (Singapore)
0950 - 1030  BAEP Monitoring
Aatif M. HUSAIN (USA)
1030 - 1100  Coffee Break
1100 - 1140  EMG Monitoring: Free-Run and Triggered
Tsui-Fen YANG (Taiwan)
1140 - 1220  EEG Monitoring
Aatif M. HUSAIN (USA)
1220 - 1300  VEP Monitoring
Kunihiko KODAMA (Japan)
1300 - 1400  Lunch
1400 - 1440  Mapping Methodologies
Kyung-Seok PARK (South Korea)
1440 - 1520  Anaesthetic Considerations
Ahmad Yanuar SAFRI (Indonesia)
1520 - 1550  Tea Break
1550 - 1630  Artefacts, Trouble-shooting and Safety
Kyung-Seok PARK (South Korea)
1630 - 1730  IONM in Asia-Oceania: Current Status and Vision
Kyung-Seok PARK (South Korea)

1400 - 1500  Electrodiagnostic Approach to Motor Neurone
Disease (with demonstration of MUNE)
Satoshi KUWABARA (Japan)
1500 - 1600  Repetitive Nerve Stimulation in Neuromuscular
Junction Disorder (with live demonstration)
Donald B. SANDERS (USA)
1600 - 1630  Tea Break
1630 - 1730  Quantitative EMG Analysis
Masahiro SONOO (Japan)

WORKSHOP 2
Nerve Conduction Studies (NCS) / Electromyogram (EMG)
Thursday, 9 April, 2020  |  0830 - 1730

Agenda:
0830 - 0900  NCS - Basic Principles and Pitfalls
Jun KIMURA (USA)
0900 - 0930  Electrodiagnostic Approach to Brachial
Plexopathies
Jorge E. GUTIERREZ (Colombia)
0930 - 1000  The Value of H-Reflex and Other Late Responses
in Disease (with live demonstration)
David BURKE (Australia)
1030 - 1100  Coffee Break
1100 - 1200  Cranial Nerve Assessment and Demonstration
Jun KIMURA (USA)
1200 - 1300  Approach to Muscle Disease and Basic EMG
Demonstration
Renato J. VERDUGO (Chile)
1300 - 1400  Lunch

1230 - 1400  Localisation of Seizures - Seizure Semiology
Chong WONG (Australia)
1430 - 1500  Invasive Monitoring: When Is It Necessary and
What Techniques?
Sinclair LIU (China)
1500 - 1530  Advances in EEG Analysis - Wide-Band EEG,
Dense-Array EEG and Quantitative EEG
Akio IKEDA (Japan)
1530 - 1600  Tea Break
1600 - 1700  EEG in ICU - Indications, Recording Techniques,
Terminology and Artefacts
Aatif M. HUSAIN (USA)
1630 - 1700  Status Epilepticus and the Ictal-Interictal
Continuum
John W. DUNNE (Australia)
1700 - 1730  EEG Coma Patterns and Prognosis
Kheng-Seang LIM (Malaysia)

WORKSHOP 3
Electroencephalogram (EEG)
Thursday, 9 April, 2020  |  0830 - 1730

Agenda:
0900 - 0930  The Origin of EEG, Recording Techniques and
Quality
John W. DUNNE (Australia)
0930 - 1000  Normal EEG: Awake (Children and Adults),
Including Activation Procedures
Chong-Tin TAN (Malaysia)
1000 - 1030  Normal EEG: Drowsiness and Sleep, and Normal
Variants
Manjari TRIPATHI (India)
1030 - 1100  Coffee Break
1100 - 1130  Generalised Epileptiform Patterns - Interictal
and Ictal: Defining the Clinical Syndrome
Raymon Aziek ALI (Malaysia)
1130 - 1200  Focal Epileptiform Patterns - Interictal: Utility
and Limitations
Yotin CHINVARUN (Thailand)
1200 - 1230  Focal-Onset Seizures: Surface Ictal EEG
Recordings and Localisation
Byung-In LEE (South Korea)
1230 - 1400  Lunch
1400 - 1430  Localisation of Seizures - Seizure Semiology
Chong WONG (Australia)
1430 - 1500  Invasive Monitoring: When Is It Necessary and
What Techniques?
Sinclair LIU (China)
1500 - 1530  Advances in EEG Analysis - Wide-Band EEG,
Dense-Array EEG and Quantitative EEG
Akio IKEDA (Japan)
1530 - 1600  Tea Break
1600 - 1630  EEG in ICU - Indications, Recording Techniques,
Terminology and Artefacts
Aatif M. HUSAIN (USA)
1630 - 1700  Status Epilepticus and the Ictal-Interictal
Continuum
John W. DUNNE (Australia)
1700 - 1730  EEG Coma Patterns and Prognosis
Kheng-Seang LIM (Malaysia)
### WORKSHOP 4
**Transcranial Magnetic Stimulation (TMS)**  
**Thursday, 9 April, 2020 | 0830 - 1730**

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

### WORKSHOP 5
**Neuromuscular Ultrasound (NMUS)**  
**Thursday, 9 April, 2020 | 0830 - 1730**

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
</table>
| 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 (Korea)                                                                             |
|          | Hands-on Station 5:  
  Brachial Plexus  
  Stephan GOEDEE (Netherlands)                                                                     |
|          | Hands-on Station 6:  
  Brachial Plexus  
  Yu-ichi NOTO (Japan)                                                                            |
| 1300 - 1400 | Lunch                                                                                      |
| 1400 - 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
Botulinum Toxin Injection Workshop
Thursday, 9 April, 2020 | 0830 – 1800

Agenda:

0830 - 0840  Welcome & Introduction
Ai-Huey TAN (Malaysia)

0840 - 0920  Three T’s in Optimizing Botulinum Toxin Therapy in the Clinics: Timing, Targeting & Tailoring Approaches
Raymond L. ROSALES (Philippines)

0920 - 1000  Blepharospasm & Hemifacial Spasm: Strategy to Start, Muscle Selection and Common Pitfalls
Shen-Yang LIM (Malaysia)

1000 - 1010  Q&As with Panel of Experts

1010 - 1040  Tea Break

1040 - 1120  Cervical Dystonia: Strategy to Start, Muscles Selection and Common Pitfalls
Erle LIM (Singapore)

1120 - 1130  Q&As with Panel of Experts

1130 - 1215  Limb Spasticity & Focal Limb Dystonia: Strategy to start, muscles selection and common pitfalls
Raymond L. ROSALES (Philippines)

1215 - 1225  Q&As with Panel of Experts

1225 - 1305  Pragmatic Guide for Ultrasound Guided Botulinum Toxin Injection in Clinical Practice: When and How
Serdar KOCER (Switzerland)

1305 - 1315  Q&As with Panel of Experts

1315 - 1415  Lunch

1415 - 1530  Live Demonstration 1: Muscle Localization in Cervical Dystonia – Utility of EMG and Ultrasound
Serdar KOCER (Switzerland) and Raymond ROSALES (Philippines)

1530 - 1545  Tea Break

1545 - 1700  Live Demonstration 2: Muscle Localization in Limb Dystonia and Spasticity – Utility of EMG and Ultrasound
Serdar KOCER (Switzerland) and Raymond ROSALES (Philippines)

1700 - 1745  Unforgettable Lessons I Learn From My Patients
Erle LIM (Singapore) and Shen-Yang LIM (Malaysia)

1745 - 1800  Closing & Appreciation
Ai Huey TAN (Malaysia)

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 PANAYAKAEW (Thailand)
- Evaluation of Myoclonus
  Hiroshi SHIBASAKI (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 VUCIC (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
  Yung-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
  Yoshiazu UGAWA (Japan)
### Educational Courses - Congress Day 3 – 12 April 2020

| Educational Course 1 | 0945 - 1030 | NMUS in Inherited and Inflammatory Neuropathies  
Stephan GOEDEE (Netherlands) |
|---------------------|------------|--------------------------------------------------|
| Agenda:            | 1030 - 1100 | Coffee Break  
Nens VAN ALFEN (Netherlands) |
| 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 - 1145 | Role of Quantitative Muscle US in Disease  
Nens VAN ALFEN (Netherlands) |
| 1145 - 1200 | Closing Remarks  
Einar P. WILDER-SMITH (Switzerland) |

| Educational Course 2 | 0945 - 1030 | NMUS in Focal Neuropathies  
Joy VIJAYAN (Singapore) |
|---------------------|------------|--------------------------------------------------|
| Agenda:            | 1030 - 1100 | Coffee Break  
Donald B. SANDERS (USA) |
| 0830 - 0930 | Sensori-Motor Organization of Focal Hand Dystonia  
Mathew ALEXANDER (India) |
| 0930 - 1030 | Demonstration of Neurophysiological Evaluation of Myoclonus  
Hiroshi SHIBASAKI (Japan) |
| 1030 - 1100 | Coffee Break |
| 1100 - 1200 | Tremors: Methods of Surface EMG and Accelerometry  
Pattamon PANYAKAEW (Thailand) |
| 1200 - 1215 | Closing Remarks  
Mark HALLETT (USA) |

| Educational Course 3 | 0945 - 1030 | NMUS in Inherited and Inflammatory Neuropathies  
Stephan GOEDEE (Netherlands) |
|---------------------|------------|--------------------------------------------------|
| Agenda:            | 1030 - 1100 | Coffee Break  
Nens VAN ALFEN (Netherlands) |
| 0830 - 0915 | Imaging As a Natural Complementary Test in Neuromuscular Medicine  
Einar P. WILDER-SMITH (Switzerland) |
| 0915 - 0945 | NMUS in Inherited and Inflammatory Neuropathies  
Joy VIJAYAN (Singapore) |
| 0945 - 1030 | NMUS in Inherited and Inflammatory Neuropathies  
Stephan GOEDEE (Netherlands) |
| 1030 - 1100 | Coffee Break  
Nens VAN ALFEN (Netherlands) |
| 1100 - 1145 | Role of Quantitative Muscle US in Disease  
Nens VAN ALFEN (Netherlands) |
| 1145 - 1200 | Closing Remarks  
Einar P. WILDER-SMITH (Switzerland) |
Congress Registration

Important Dates

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

Registration is available online for the congress & course at http://aoccn2020.com/registrationInfo.php.

Registration Fees

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<td>Allied Health Professionals*</td>
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# Allied Health Professionals refers to Non-Clinicians and includes Technologists, Nurses and Therapists
* 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]
** 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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<td>Electroencephalography</td>
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<td>Nerve Conduction Studies / Electromyography</td>
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<tr>
<td>Neurophysiological Intraoperative Monitoring *limited spaces</td>
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<tr>
<td>Transcranial Magnetic Stimulation</td>
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<td>Botulinum Toxin injection *limited spaces</td>
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<tr>
<td>Neuromuscular Ultrasound (with hands-on) *limited to 30 participants</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.
 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.