

SUNDAY, SEPTEMBER 4: EDUCATIONAL COURSES

08:00-10:00	Course 1.1a: #143	Course 1.1b: #116	Course 1.1c: #19	Course 1.1d: #147	SIG: Non-invasive brain stimulation (1.1e) (SIG NIBS)
Title	EEG in infancy boot camp	Neuromuscular Aspects of Tropical Diseases	Mastering Semi-quantitative Motor Unit Potential Analysis	Intraoperative motor evoked potential monitoring: Challenges and modern concept	
10:00-12:00	Course 1.2a: #14	Course 1.2b: #122	Course 1.2c: #118	Course 1.2d: #76	(SIG NIBS)
Title	EEG monitoring in critically ill neonates and children	Electrophysiological findings in myelopathies of various etiologies, especially in patients with HTLV-1 associated myelopathy (HAM/TSP)	Hands-on teaching course on Axonal Excitability Studies and MScanFit MUNE	Intraoperative monitoring of spinal surgery	(SIG NIBS)
12:00-13:00	Break				
13:00-15:00	Course 1.3a: #148	Course 1.3b: #86	Course 1.3c: #58	Course 1.3d: #138	Course 1.3e: #97
Title	Visual Electrophysiology in Children	Mathematical tools in neurophysiological trials: benefits and risks	Electrophysiological evaluation of plexopathies	Latest developments in IONM evidence, methodological recommendations, and artificial intelligence/ "big data"/ digital networks	Modulating deep brain structures with temporal interference brain stimulation
15:00-17:00	Course 1.4a: #102	Course 1.4b: #24	Course 1.4c: #68	Course 1.4d: #105	Course 1.4e: #27
Title	The Practice of Paediatric Electromyography	Advanced EEG biomarkers in patients with dementia with Lewy bodies	Hands-on Teaching Course on Muscle Excitability Testing	Selective Dorsal Rhizotomy: Making the Cut	Clinical Neurophysiology for diagnosis of Movement disorders

Educational / scientific tracks

EEG and MEG	
peripheral neurophysiology	brain stimulation
intraoperative neuromonitoring	intensive care neurophysiology
pediatric neurophysiology	brainstem neurophysiology
	other topics

MONDAY, SEPTEMBER 5: EDUCATIONAL COURSES

08:00-10:00	Course 2.1a: #121 Panmodal brain death determination credentialing: Proposal of a training module and certificate for neurophysiologists determining death by neurologic criteria	Course 2.1b: #115 Unusual motor conduction techniques necessary for atypical cases in ENMG practice	SIG: Education (2.1c: #34) Education Special Interest Group	SIG: Advanced EEG/MEG techniques (2.1d: #7) Get more out of your spikes: advanced EEG explained in simple terms	SIG: Brainstem (2.1e) (SIG Brainstem)
10:00-12:00	Course 2.2a: #71 Clinical Neurophysiology for the Prognosis of comatose patients	Course 2.2b: #33 Ultrasound first in neuromuscular disorders; Up-to-date evidence of practical application	Course 2.2c: #37 Online Learning in Clinical Neurophysiology: Methods, efficacy, pitfalls	SIG: Advanced EEG/MEG techniques (2.2d: #146) EEG/MEG source reconstruction	(SIG Brainstem) (SIG Brainstem)
12:00-13:00	Break				
13:00-15:00	Course 2.3a: #119 Clinical-electroencephalographic correlation in traumatic brain injury (TBI): Quantitative EEG in endotyping mild, moderate and severe TBI with disorders of consciousness	Course 2.3b: International Society of Peripheral Neurophysiological Imaging (ISPNI)	Course 2.3c: #151 The visual platform for diagnosis and monitoring of demyelinating diseases	SIG: Advanced EEG/MEG techniques (2.3d: #49) Brain Connectivity Estimation by Multivariate Autoregressive Approach	Course 2.3e: #56 Electrodiagnosis of trigeminal and facial neuropathies
15:00-17:00	Course 2.4a: DICOM WG32 session (DICOM)	(ISPNI) (ISPNI)	Course 2.4c: #111 Hands-on teaching course on performing single and paired-pulse TMS tests single-handedly	Course 2.4d: #5 Terra incognita: Focal epilepsy of unknown cause in our current understanding	Course 2.4e: #117 What we have learned about the physiology of neuromuscular junction with a human model of presynaptic dysfunction: botulinum toxin chemodenervation
17:00-18:00	Welcome talk				
18:00-20:00	Welcome Ceremony & Reception				

Educational / scientific tracks

EEG, MEG, and event-related potentials	brain stimulation
peripheral neurophysiology	intensive care neurophysiology
intraoperative neuromonitoring	brainstem neurophysiology
pediatric neurophysiology	other topics

TUESDAY, SEPTEMBER 6: SCIENTIFIC SYMPOSIA

08:00-09:30	Session 3.1a: #17 Translational computational modelling relates AD pathophysiology to large-scale brain dynamics	Session 3.1b: #4 Neurophysiological foundations of transcranial ultrasonic stimulation in humans	Session 3.1c: #80 Headache and the brainstem	Session 3.1d: #11 Biomarkers in Epilepsy: The renaissance of an old method	Session 3.1e: #136 Frequency-modulated non-invasive brain stimulation and memory
09:30-10:00	Break				
10:00-12:00	Opening ceremony & Berger Lecture				
12:00-13:30	Lunch and Posters				
13:30-15:00	Session 3.2a: #44 Dynamic control of cognition: an interaction between the fronto-parietal network (FPN) and the default network (DMN)	Session 3.2b: #47 New Frameworks for Studying Cortical Connectivity and Activation	Session 3.2c: #50 Update on methods for assessment of cortical engagement in pain processing	Session 3.2d: #32 There is much more in the EEG than spikes and seizures	Session 3.2e: #140 TMS-EEG to better characterize and predict the course of neurological disorders
15:00-15:15	Break				
15:15-16:45	Session 3.3a: #87 Connecting to the networks of the human brain by EEG-guided closed-loop TMS	Session 3.3b: #6 TMS over the cerebellum: Cerebellar Inhibition of the motor cortex (CBI)	Session 3.3c: #92 New insights on human models and neurophysiological biomarkers of central sensitization	Session 3.3d: #26 Silent Epilepsy in Alzheimer's Disease?	Session 3.3e: #133 Theoretic foundations and new strategies to promote visuo-attentional restoration in stroke
16:45-17:00	Break				
17:00-18:00	Adrian Lecture				
18:00-20:00	IFCN General Assembly				

Educational / scientific tracks

EEG, MEG, and event-related potentials	brain stimulation
peripheral neurophysiology	intensive care neurophysiology
intraoperative neuromonitoring	brainstem neurophysiology
pediatric neurophysiology	other topics

WEDNESDAY, SEPTEMBER 7: SCIENTIFIC SYMPOSIA

08:00-09:30	Session 4.1a: #79 Advances in understanding physiological mechanisms and clinical use of prepulse inhibition	Session 4.1b: #131 Automating Clinical Neurophysiology For Seizure Forecasting and Outcome Prediction	Session 4.1c: #72 Aging and cognitive decline: physiological biomarkers and transcranial stimulation	Session 4.1d: #83 Tracking plasticity: sensorimotor neurophysiology in health and disease	Session 4.1e: #21 Neurodynamics exploration for neuromodulation tuning against chronic fatigue
09:30-10:00	Break				
10:00-12:00	Plenary Lecture: joint IFCN-EAN session				
12:00-13:30	Lunch and Posters				
13:30-15:00	Session 4.2a: #114 EEG-biomarkers in Neuropsychiatry: Use for treatment stratification	Session 4.2b: #91 Biomarkers in Ultra Long-Term EEG Monitoring	Session 4.2c: #101 New horizons in neuromodulation in refractory epilepsy	Session 4.2d: #112 Intraoperative mapping and monitoring techniques of the exposed spinal cord to gain more insights into spinal cord physiology	Session 4.2e: #135 Source imaging and multimodal integration in focal epilepsy
15:00-15:15	Break				
15:15-16:45	Session 4.3a: #53 The application of electrophysiological measures as biomarkers of disease progression and outcome in psychoses	Session 4.3b: #55 Signal analysis for ultra-long term EEG monitoring in epilepsy	Session 4.3c: #100 Novel applications of non-invasive brain stimulation for assessing and treating epilepsy in children	Session 4.3d: #150 Intraoperative neurophysiological guidance during brainstem surgery- how IOM may increase safety in high-risk surgeries	Session 4.3e: #109 Advances in EEG/MEG Source Estimation and Imaging
16:45-17:00	Break				
17:00-18:00	Kugelberg Lecture				
19:00-21:00	Gala evening and Speakers' dinner				

Educational / scientific tracks

EEG, MEG, and event-related potentials	brain stimulation
peripheral neurophysiology	intensive care neurophysiology
intraoperative neuromonitoring	brainstem neurophysiology
pediatric neurophysiology	other topics

THURSDAY, SEPTEMBER 8: SCIENTIFIC SYMPOSIA

08:00-09:30	Session 5.1a: #85	Session 5.1b: #70	Session 5.1c: #22	Session 5.1d: #93	Session 5.1e: #98
Title	EEG in the ICU: a critical update	Excitability testing: from cortex to muscle membrane	Combining invasive and non-invasive brain stimulation to elucidate mechanisms of human brain plasticity and develop novel brain stimulation treatments	High frequency oscillations in epilepsy: new options for diagnosis and therapy monitoring	Quantitative clinical neurophysiology of sleep in neurological disorders
09:30-11:00	Session 5.2a: #45	Session 5.2b: #16	Session 5.2c: #134	Session 5.2d: #81	Session 5.2e: #145
Title	Acute Symptomatic Seizures and the Ictal-Interictal Continuum: Definitions, acute management and long-term outcomes	Looking beyond conventional neurophysiology in the evaluation of peripheral nerve disorders	Transcranial direct current stimulation in the pediatric population	Music in Brain	New Insights Sleep Neurophysiology Provides About Bidirectional Effects of Sleep on Focal-Onset Epilepsies in Adults
11:00-11:15	Break				
11:15-12:45	Session 5.3a: #48	Session 5.3b: #106	Session 5.3c: #10	Session 5.3d: #43	Session 5.3e: #129
Title	Neurophysiology and neuroimaging after Cardiac Arrest in The Era of Targeted Temperature Management	Small Fibre Neuropathy; clinical picture, pathophysiology and treatment	Pharmaco-TMS-EEG and Pharmaco-EEG	The connection of cortical-subcortical nucleus: another aspect of the epileptic network in patients with focal epilepsy	Quantitative Neuroimaging of Public Health problems: Examples from Latin America
12:45-14:15	Lunch and Posters				
14:15-15:45	Session 5.4a: #95	Session 5.4b: #123	Session 5.4c: #125	Session 5.4d: #84	Session 5.4e: #124
Title	Perfusion-Optimization Responding Syndrome: From clinical to electroencephalographic definition of an individualized ischemic threshold in ischemic stroke and subarachnoid hemorrhage	New insights into the pathophysiology of Amyotrophic Lateral Sclerosis	Multimodal investigations of cortical excitability and plasticity as biomarkers for Multiple Sclerosis	Neurophysiology of neuroinflammation	EEG on the Cloud
15:45-16:00	Break				
16:00-17:30	Awards and Closing ceremony				

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