

SUNDAY, AUGUST 23, 2026

09:25 - 10:40	Symposium 1	New Developments in Pediatric MEG.
Hall 3	Chairperson: Mingxiong Huang (University of California at San Diego) , Timothy Roberts (Children’s Hospital of Philadelphia).	
	09:25 - 09:40	Resting-state and Working-Memory Evoked MEG Revealed Functional Deficits in Children with Mild Traumatic Brain Injury. Mingxiong Huang (University of California at San Diego).
	09:40 - 09:55	Pediatric MEG–Neurodevelopmental Disorders and Autism; The Next Frontier. Timothy Roberts (Children’s Hospital of Philadelphia).
	09:55 - 10:10	Predictive Coding in Paediatric MEG: Mismatch Fields Across Typical Development and Autism. Paul Sowman (Auckland University of Technology).
	10:10 - 10:25	Interpreting Pediatric MEG Signals Using Physiological Features: From Auditory Evoked Fields to Sensorimotor Coupling. Tao Song (University of Texas at Austin).
	10:25 - 10:40	Group Discussion
10:45 - 12:00	Symposium 2	ISACM@BIOMAG: Clinical MEG in epilepsy and beyond.
Hall 3	Chairperson: Stefan Rammpp (University Hospital Erlangen).	
	10:45 - 11:00	MEG in Surgical Epilepsy: Moving Forward or to the Front? Anto Bagić (Carnegie Mellon University).
	11:00 - 11:15	Epilepsy in Childhood. Hideaki Shiraishi (Dokkyo Medical University).
	11:15 - 11:30	MEG Functional Mapping: Clinical Standards and Advanced Methods. Paul Ferrari (Helen DeVos Children’s Hospital).
	11:30 - 11:45	New Applications Beyond Epilepsy and Tumor Surgery. Tim Roberts (Children’s Hospital of Philadelphia).
	11:45 - 12:00	Group Discussion
13:00 - 14:15	Symposium 3	MEG of the Cerebellum.
Hall 4-A	Chairperson: Teresa Cheung (Fraser Health Authority,Simon Fraser University).	
	13:00 - 13:15	Cerebellar Neurobiology and Cerebellar MEG: Requisites to Understanding Brain Function. John P. Welsh (University of Washington).
	13:15 - 13:30	Bridging Physiology and Physics: Detecting Cerebellar Signals with MEG. Matti Hämäläinen (Aalto University).
	13:30 - 13:45	The State of the Field: A Survey of Cerebellar MEG. Lau Møller Andersen (Aarhus University).
	13:45 - 14:00	Cerebro-Cerebellar Dynamics of Eyeblink Conditioning with MEG. Silvia Isabella (Rotman Research Institute).
	14:00 - 14:15	Group Discussion
	Symposium 4	From Neurochemistry to Network Dynamics: MEG Insights into Aging and Alzheimer’s Disease.
Hall 4-B	Chairperson: Jonathan Gallego-Rudolf (McGill University), Alex I. Wiesman (Simon Fraser University).	
	13:00 - 13:15	Chemoarchitectural Constraints on the Functional Connectome Confer Resilience in Human Brain Aging. Santiago Flores Alonso (Simon Fraser University).
	13:15 - 13:30	Neural Hyperexcitability Associations to Proteinopathy and Cognitive Impairments in Alzheimer’s Disease. Srikantan Nagarajan (University of California San Francisco).
	13:30 - 13:45	Electrophysiology and Blood-Based Biomarkers: Complementary Tools for Alzheimer’s Detection and Monitorin. Alejandra Garcia Colomo (Universidad Complutense de Madrid).
	13:45 - 14:00	Proteinopathy-Related Changes in Neurophysiological Activity During Preclinical Alzheimer’s Disease. Jonathan Gallego-Rudolf (McGill University).
	14:00 - 14:15	Group Discussion
	Symposium 5	Predictive and Rhythmic Brain Dynamics in Speech and Language Processing.
Hall 4-C	Chairperson: Nai Ding (Zhejiang University).	
	13:00 - 13:15	The Influence of Linguistic Predictability on the Encoding of Speech in Human Cortex. Edmund Lalor (University of Rochester).
	13:15 - 13:30	Unconscious Motor Errors Arise from Sub-Threshold Pre-Error Neural States. Ce Mo (Sun Yat-sen University).
	13:30 - 13:45	Patterns for Prediction: Facilitatory Effects of Contextual Patterns on Downstream Processing of Artificial and Natural Languages. Lars Meyer (Johannes Gutenberg University Mainz).
	13:45 - 14:00	Concurrent, Independent, and Abstract Representations Underlying Phonological Awareness. Ling Liu (Beijing Language and Culture University).
	14:00 - 14:15	Group Discussion
	Symposium 6	Clinical Translation of Advanced MEG: Biomarkers, Network Dynamics, and Frequency-Encoded Imaging.
Hall 4-D	Chairperson: Jing Xiang (Cincinnati Children’s Hospital).	
	13:00 - 13:15	Neurophysiology-Based Biomarkers for Psychogenic Non-Epileptic Seizures. Vahe Poghosyan (King Fahad Medical City).
	13:15 - 13:30	Heart–Brain Coupling in Depression. Qing Lu (Southeast University).
	13:30 - 13:45	From Research to the Operating Room: How MEG Maps Brain Function and Language Networks in Epilepsy. Vahab Youssofzadeh (Medical College of Wisconsin).
	13:45 - 14:00	Clinical Applications of Frequency Encoded Source Imaging. Jing Xiang (University of Cincinnati).
	14:00 - 14:15	Group Discussion
14:20 - 15:35	Symposium 7	When Brains Meet Large Language Models: Neural Dynamics of Meaning Construction in Naturalistic Contexts.
Hall 4-A	Chairperson: Jiaqi Li (University of Oxford).	
	14:20 - 14:35	From Vision, Sound, and Language to Shared Representational Geometry in Multimodal LLMs and the Brain. Jixing Li (City University of Hong Kong).
	14:35 - 14:50	Hierarchical Language Processing Relies on Transformed Reactivation of Latent Working Memory. Jiaqi Li (University of Oxford).
	14:50 - 15:05	Mapping Multidimensional Semantic Dynamics in the Brain with Naturalistic Stimuli. Shaonan Wang (The Hong Kong Polytechnic University).
	15:05 - 15:20	Language-Specific Tone and Multidimensional Semantics Shape Speaker-Listener Neural Synchronization. Chen Hong (The Chinese University of Hong Kong).
	15:20 - 15:35	Group Discussion
	Symposium 8	Naturalistic Neuroimaging with OPM-Based MEG: Challenges, Opportunities and Future Directions.
Hall 4-B	Chairperson: Alberto Mariola (University College London).	
	14:20 - 14:35	Ambulatory Neuroimaging with OPM-MEG. Stephanie Mellor (ETH Zurich).
	14:35 - 14:50	Motion Artifact Suppression in OPM-MEG Based on Adaptive Filtering. Nan An (Hangzhou Institute of National Extremely-Weak Magnetic Field Infrastructure).
	14:50 - 15:05	Naturalistic Imaging for Clinical Application: Proof of Principle Examples in Parkinsons Disease and Multiple Sclerosis. Benjamin J. Sanders (University of Nottingham).
	15:05 - 15:20	Overcoming Hardware Barriers to Naturalistic Imaging with OPMs. Nicholas A. Alexander (University College London).
	15:20 - 15:35	Group Discussion
	Symposium 9	New Vistas and Approaches to Uncover the Role of Alpha/Beta Oscillatory Dynamics.
Hall 4-C	Chairperson: Ying Joey Zhou (Shenzhen University), Saskia Haegens(Columbia University).	
	14:20 - 14:35	Dual Alpha Mechanisms in Visual Perception. Ying Joey Zhou (Shenzhen University).
	14:35 - 14:50	Alpha-beta Band Phase Synchronization in Top-Down control. Satu Palva (University of Helsinki).
	14:50 - 15:05	Independent Component Analysis as a Method to Uncover Functionally Distinct Alpha Rhythms. Elie Rassi (Radboud University Nijmegen).
	15:05 - 15:20	Beta Frequency Shifts in Decision Making: Spectral Fingerprints or Communication Channels? Saskia Haegens (Columbia University).
	15:20 - 15:35	Group Discussion
	Symposium 10	MEG for Brain-Computer Interface (BCI).
Hall 4-D	Chairperson: Fan Wang (Institute of Biophysics, Chinese Academy of Sciences).	
	14:20 - 14:35	Real-time MEG Acquisition and Noise Rejection for BCI. Fan Wang (Institute of Biophysics, Chinese Academy of Sciences).
	14:35 - 14:50	Research on High-Precision Visual Brain-Computer Interfaces Based on Magnetoencephalography. Yongzhi Huang (Tianjin University).
	14:50 - 15:05	Advancing High-Performance Multi-Limb BCI Control with Theta-Band MEG and Source Imaging. Jianjun Meng (Shanghai Jiao Tong University).
	15:05 - 15:20	A Comparative Study of EEG and MEG for Fine-gained Motor Imagery Decoding From the Same upper Limb. Shuang Qiu (Institute of Automation, Chinese Academy of Sciences).
	15:20 - 15:35	Group Discussion

MONDAY, AUGUST 24, 2026

09:25 - 10:40	Symposium 11	Transforming Clinical Neuroimaging: Innovations and Applications of OPM-MEG.
Hall 3	Chairperson: Svenja Knappe (University of Colorado). 09:25 - 09:40Enabling Opportunities of OPM-MEG: Beyond Sensitivity. Timothy Roberts (Children’s Hospital of Philadelphia). 09:40 - 09:55Decoding with Multivariate Pattern Analysis is Superior for Optically Pumped Magnetometer-Based Magnetoencephalography Compared to Superconducting Quantum Interference Device-Based Systems. Jiawei Liang (University of Birmingham). 09:55 - 10:10Helium Optically Pumped Magnetometers Can Detect Epileptic Abnormalities as Well as SQUIDs. Jean-Michel Badier (Institut de Neurosciences des Systèmes). 10:10 - 10:25Validating Clinical Utility of HEDscan OPM for Epilepsy Spike Detection. Teresa Cheung (Fraser Health Authority,Simon Fraser University). 10:25 - 10:40Group Discussion	
13:00 - 14:15	Symposium 12	Advancing Collaborative MEG/OPM Research Network Across China,Australia and New Zealand.
Hall 4-A	Chairperson: Miao Cao (Swinburne University of Technology), Bingjiang Lyu (Changping Laboratory). 13:00 - 13:15Broaden MEG Applications in Neuroscience and Clinical Research in Australia: a Perspective from Swinburne Neuroimaging. Miao Cao (Swinburne University of Technology). 13:15 - 13:30MEG Research at Macquarie University. Judy Zhu (Macquarie University). 13:30 - 13:45Translating MEG into Clinical Practice: From Epilepsy Mapping to Surgical Decision-Making. Xiongfei Wang (Sanbo Brain Hospital). 13:45 - 14:00Toward Naturalistic and Reproducible MEG: Wearable OPM-MEG and MEGFlow. Bingjiang Lyu (Changping Laboratory). 14:00 - 14:15Group Discussion	
	Symposium 13	The Neuronal Mechanisms of Reading.
Hall 4-B	Chairperson: Xuan Cui (University of Oxford), Ole Jensen (University of Oxford). 13:00 - 13:15Attention Dynamics During Natural Reading: Measured by Rapid Invisible Frequency Tagging (RIFT). Yali Pan (University of Birmingham). 13:15 - 13:30Top-Down Modulation of Visual Attention Resolves Word Boundary Ambiguity in Chinese Reading. Linjieqiong Huang (University of Chinese Academy of Sciences). 13:30 - 13:45Preview Effects and Natural Reading in Chinese Using Co-Registration of EEG and Eye-Tracking. Urs Maurer (Chinese University of Hong Kong). 13:45 - 14:00Using Co-Registered MEG and Eye-Tracking to Understand the Cortical Systems that Support Chinese Reading. Erik D. Reichle (Macquarie University). 14:00 - 14:15Group Discussion	
	Symposium 14	PERsonalized Diagnosis and Treatment for Focal EPilepsy (PerEpi).
Hall 4-C	Chairperson: Carsten Wolters (Institute for Biomagnetism and Biosignalanalysis, Germany). 13:00 - 13:15Combined EEG/MEG/MRI Targeted and Optimized mc-TES: New Methods and Applications in Focal Epilepsy. Carsten Wolters (Institute for Biomagnetism and Biosignalanalysis, Germany). 13:15 - 13:30Local Subtraction FEM-Based EEG and MEG Forward Modeling. Malte Höltershinken (Institute for Biomagnetism and Biosignalanalysis, Germany). 13:30 - 13:45Gaussian Prior Parametrization for MEG-Based Source Reconstruction via Standardized Kalman Filtering. Dilshanie Wannı Achchi Kankanamge (Tampere University). 13:45 - 14:00Tracking Dynamic Neural Sources in Pediatric EEG/MEG with Standardized Kalman Filter. Chenming Yao (INSERM U1105 Research Group on Multimodal Analysis of Brain Function). 14:00 - 14:15Group Discussion	
	Symposium 15	Inferring Laminar Dynamics of Human Neurocognitive Processes with Magnetoencephalography.
Hall 4-D	Chairperson: James Bonaiuto (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS). 13:00 - 13:15Multilayer MEG Enables Depth-Resolved Inference of Laminar Neural Dynamics. James Bonaiuto (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS). 13:15 - 13:30Using Laminar Inference to Understand Pathophysiological Communication in Parkinson’s Disease. Esther Florin (Heinrich Heine University Düsseldorf). 13:30 - 13:45Inferring Laminar Origins of MEG Signals with Optically Pumped Magnetometers. Matteo G. Maspoli (Université Claude Bernard Lyon 1). 13:45 - 14:00Inter- and Intra-Individual Variability in Structure-Function Coupling in Human Brain. Alina Studenova (Max Planck Institute for Human Cognitive and Brain Sciences). 14:00 - 14:15Group Discussion	
14:20 - 15:35	Symposium 16	Improving Interpretability of MEG.
Hall 4-A	Chairperson: Tiina Parviainen (University of Jyväskylä). 14:20 - 14:35Interpretable Views to Non-Time-Locked Cortical Processing. Lauri Parkkonen (Aalto University). 14:35 - 14:50Interpretable Deep Learning for Magnetoencephalography. Ivan Zubarev (University of Helsinki). 14:50 - 15:05Bridging MEG Metrics with Psychological Traits and Neurobiological Mechanisms. Tiina Parviainen (University of Jyväskylä). 15:05 - 15:20Representational Similarity Analysis for Cognitively Grounded Interpretation of Magnetoencephalographic Dynamics. Weiyong Xu (University of Jyväskylä). 15:20 - 15:35Group Discussion	
	Symposium 17	Neural Modulation in Human Cognition.
Hall 4-B	Chairperson: Dongwei Li (Beijing Normal University). 14:20 - 14:35Dissociating Aperiodic and Oscillatory Alpha Mechanisms of Visuospatial Attention with Rhythmic and Arrhythmic TMS. Runhao Lu (Montreal Neurological Institute). 14:35 - 14:50How the Hippocampus Supports Visual Short-Term Memory: From iEEG Oscillations to Causal Stimulation. Jing Liu (South China Normal University). 14:50 - 15:05Investigating the Spatiotemporal Dynamics of Neuromodulation Using Magnetoencephalography. Ke Zeng (Beijing Normal Univerisity). 15:05 - 15:20Zapping Brain with Laser-Neural Mechanism Underlying Working Memory Enhancement by Transcranial Photobiomodulation. Dongwei Li (Beijing Normal University). 15:20 - 15:35Group Discussion	
	Symposium 18	Corticokinematic Coherence: a Tool to Assess Brain-Body Interactions in Diverse Ecologically Valid Contexts.
Hall 4-C	Chairperson: Mathieu Bourguignon (Université libre de Bruxelles), Harri Piitulainen (University of Jyväskylä). 14:20 - 14:35How do corticokinematic and corticomuscular coherence differ? Mathieu Bourguignon (Université libre de Bruxelles). 14:35 - 14:50How to Stimulate the Proprioceptors During Neuroimaging? Harri Piitulainen (University of Jyväskylä). 14:50 - 15:05How is Corticokinematic Coherence Affected by Muscle Fatigue? Junru Chen (University of Jyväskylä). 15:05 - 15:20Tongue Sensorimotor Function Revealed by Cortico-kinematic Coherence Using a Deep Learning-Assisted Motion Capture System. Hitoshi Maezawa (Kansai Medical University). 15:20 - 15:35Cortical Involvement in Balance: Estimating Sensorimotor Control via EEG-CoP Coherence. Thomas Legrand (University College Dublin). 15:35 - 15:50Group Discussion	
	Symposium 19	Hyperscanning in MEG.
Hall 4-D	Chairperson: Veikko Jousmäki (Aalto NeuroImaging), Koichi Yokosawa (Hokkaido University). 14:20 - 14:35MEG Hyperscanning at Aalto University 2010–2015. Veikko Jousmäki (Aalto NeuroImaging). 14:35 - 14:50Cryo- and OPM-MEG Hyperscanning on Music, Verbal and Avatar Communication Tasks. Koichi Yokosawa (Hokkaido University). 14:50 - 15:05MEG Hyperscanning Design at Tsinghua University. Sadad Mahamud (Aalto NeuroImaging). 15:05 - 15:204-Person Wearable Hyperscanning with OPM-MEG. Zhiyuan Ma (Tsinghua University). 15:20 - 15:35Group Discussion	

TUESDAY, AUGUST 25, 2026

08:45 - 10:00	Symposium 20	Cognitive Insights into Attention and Cross-Modal Integration from Rapid Invisible Frequency Tagging.
Hall 3	Chairperson: Hyojin Park (University of Birmingham).	
	08:45 - 09:00	Enhancing Speech Comprehension via Cross-Modal Integration with Rapid Invisible Frequency Tagging (RIFT). Hyojin Park (University of Birmingham).
	09:00 - 09:15	Future Avenues for Rapid Invisible Frequency Tagging: Phase Coding, Naturalistic Gaze Behaviour, and Visual Illusions. Eelke Spaak (Donders Institute for Brain).
	09:15 - 09:30	Word Boundary Constrains Attention Deployment During Chinese Reading. Xingshan Li (Institute of Psychology, Chinese Academy of Sciences).
	09:30 - 09:45	Rapid Invisible Frequency Tagging used to Study Covert Attention and Parafoveal Processing. Ole Jensen (University of Oxford).
	09:45 - 10:00	Group Discussion
10:05 - 11:20	Symposium 21	Speech and Auditory Processing in Context.
Hall 3	Chairperson: Nai Ding (Zhejiang University).	
	10:05 - 10:20	Context-Invariant Cortical Representation of Speech. Yulia Oganian (University of Tuebingen).
	10:20 - 10:35	Irregular Click Trains Reveal the Resonant Nature of Auditory Neural Responses. Peter Donhauser (Ernst Strüngmann Institute).
	10:35 - 10:50	Towards an Analytical Framework for Investigating the Neurophysiological Encoding of Social Contexts in Speech Perception. Emily Ip (Trinity College Dublin).
	10:50 - 11:05	Efficient Neural Encoding of Time Intervals in Speech and Complex Sound Sequences. Honghua Chen (Zhejiang University).
	11:05 - 11:20	Group Discussion
13:00 - 14:30	Symposium 22	Neural Oscillations and Dynamic Brain Mechanisms for Attention, Prediction, and Working Memory.
Hall 4-A	Chairperson: Jianrong Jia (Hangzhou Normal University).	
	13:00 - 13:15	Alpha Oscillations Orchestrate Saccade-Visual Coordination During Reading and Visual Search. Ole Jensen (University of Oxford).
	13:15 - 13:30	Neural Dynamics of Attentional State Transitions: From Spontaneous Fluctuations to Adaptive Control. Chen Qi (South China Normal University).
	13:30 - 13:45	Neural Mechanisms of Sequence Organization in Working Memory. Ying Fan (Shenzhen University).
	13:45 - 14:00	Deciphering Prediction in the Human Brain: Subjective Uncertainty and Abstract Representations. Tao He (Beijing Language and Culture University).
	14:00 - 14:15	Phasic Modulation of Attentional Rhythmic Sampling According to Task Demands. Jianrong Jia (Hangzhou Normal University).
	14:15 - 14:30	Group Discussion
	Symposium 23	Exploiting the Flexibility of Optically Pumped Magnetometers for Magnetoencephalography and Magnetocardiography.
Hall 4-B	Chairperson: Tilmann Sander-Thömmes (Physikalisch-Technische BA), Qiang Lin (Zhejiang University).	
	13:00 - 13:15	Combined EEG/MEG/MRI Targeted and Optimized mc-Three Sensor Optically Pumped Magnetometer Magnetoencephalography Setup to Detect the Auditory M100 for Hearing Assessment. Tilmann Sander-Thömmes (Physikalisch-Technische BA).
	13:15 - 13:30	Neural Decoding Using Atomic Magnetometers. Yi Ruan (Zhejiang University of Technology).
	13:30 - 13:45	A Motion-Tolerant Method for Biomagnetic Measurements with Moving Subjects. Yinan Hu (The Innovation Academy for Precision Measurement Science and Technology (APM) of the Chinese Academy of Sciences (CAS)).
	13:45 - 14:00	Optically Pumped Magnetometer Magnetoencephalography to Study Event-Related Fields During Sentence Processing. Dongxue Zhang (Ludwig-Maximilians-Universität).
	14:00 - 14:15	Optically Pumped Magnetometer Magnetoencephalography with a Low Sensor Count: Optimizing Sensor Layouts Using the Sequential Selection Algorithm. Urban Marhl (Institute of Mathematics, Physics and Mechanics, Slovenia).
	14:15 - 14:30	Group Discussion
	Symposium 24	Advances in Pre-Surgical MEG Mapping of Epilepsy Foci and Functional Areas.
Hall 4-C	Chairperson: Mingxiong Huang (University of California at San Diego), Guoming Luan (Sanbo Brain Hospital).	
	13:00 - 13:15	Pre-Surgical Mapping of Primary Motor and Expressive Language Areas using EMG-Projected MEG High-Resolution Source Imaging. Mingxiong Huang (University of California at San Diego).
	13:15 - 13:30	The Clinical Value of Two Generations of Magnetoencephalography in Localizing Epileptogenic Foci. Guoming Luan (Sanbo Brain Hospital).
	13:30 - 13:45	Comparative Analysis of SQUID-Based and OPM-Based MEG in Pre-Surgical Localization of Epileptogenic Foci. Jiani Chen (West China Hospital).
	13:45 - 14:00	Sensorimotor Mapping with MEG. Veikko Jousmäki (Aalto NeuroImaging).
	14:00 - 14:15	Group Discussion
	Symposium 25	Bursts of Excitement: The Organization and Function of the Bursty Sensorimotor Beta Oscillations Across the Task, Age, and Health Continuum.
Hall 4-D	Chairperson: Mathieu Bourguignon (Université Libre de Bruxelles).	
	13:00 - 13:15	Burst-Dependent Amplitude and Phase Connectivity of Resting-State and Task-Dependent Networks. Vincent Wens (Université Libre de Bruxelles).
	13:15 - 13:30	Burst Waveform Diversity Reveals Distinct Functional Roles in Relation to Errors in Motor Adaptation Tasks. Quentin Moreau (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS).
	13:30 - 13:45	Refining Sensorimotor Circuits: A Developmental Perspective on Beta Bursts. James Bonaiuto (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS).
	13:45 - 14:00	Mu/beta-Frequency Activity Dynamics During Temporally Structured Actions. Irene Echeverria-Altuna (Yale University).
	14:00 - 14:15	Assessing Beta Oscillations from Non-Invasive Electromyography and Force Recordings. Christian Georgiev (Université Libre de Bruxelles).
	14:15 - 14:30	Group Discussion
13:00 - 14:15	Symposium 26	Investigating Complex Hippocampal Dynamics in Navigation and Memory Using Magnetoencephalography.
Hall 3	Chairperson: Yi Pu (East China Normal University).	
	13:00 - 13:15	Human Hippocampal Theta Phase Precession of Button Pressing During Memory-Guided Navigation. Danying Wang (University College London).
	13:15 - 13:30	Hippocampal Phase-Amplitude Coupling Encodes the Distance to Hidden Goals. Zimo Huang (University College London).
	13:30 - 13:45	Labour of Division of the Hippocampus and Neocortex in Temporal Order Memory. Yi Pu (East China Normal University).
	13:45 - 14:00	Memory Reactivation Shapes Perception and Decision-Making. Huihui Zhang (Peking University).
	14:00 - 14:15	Group Discussion
14:20 - 15:35	Symposium 27	Decoding the Sleeping Brain: Mechanisms of Transient Dynamics via Magnetoencephalography.
Hall 3	Chairperson: Lin Liu (Shandong First Medical University).	
	14:20 - 14:35	Spatiotemporal Coupling of Sleep Spindles and Slow Oscillations: An MEG Study on Hippocampal-Cortical Dialogue. SanWang Wang (Peking University Sixth Hospital).
	14:35 - 14:50	Deep Learning for Automated Sleep Staging: A Hybrid CNN-LSTM Approach to MEG Data. ZiJiao Chen (Stanford University).
	14:50 - 15:05	Unsupervised Learning Reveals Hidden Phenotypes in REM Sleep Behavior Disorder. ZhaoWen Liu (Northwestern Polytechnical University).
	15:05 - 15:20	Predicting Sleep-to-Wake Transitions: A Machine Learning Analysis of Critical Dynamics. MingZhe Li (Peking University).
	15:20 - 15:35	Group Discussion
16:10 - 17:25	Symposium 28	Insights from Simultaneous Recordings of Surface (SQUIDs,EEG,OP-MEG) and intracerebral EEG.
Hall 3	Chairperson: Christian-G. Bénar (Systems Neuroscience Institute, Aix-Marseille university).	
	16:10 - 16:25	Simultaneous OPM-MEG and SEEG Recordings in Patients with Refractory Focal Epilepsy. Aurore Semeux-Bernier (Université libre de Bruxelles).
	16:25 - 16:40	Simultaneous High-Density EEG and Intracranial Stimulation. Sara Parmigiani (University of Oregon).
	16:40 - 16:55	Dipolar Source Localization in Epilepsy: Insights from Simultaneous MEG-SEEG Recordings. Maria Fratello (Institut de Neurosciences des Systèmes).
	16:55 - 17:10	Strengths and Limitations of MEG Source Imaging Validated Using Simultaneous Intracerebral EEG Recordings. Christophe Grova (Concordia University).
	17:10 - 17:25	Group Discussion