

Annual Meeting on Imaging and Imaging Based Therapy

in Epilepsy, Neurology, Neurosurgery and Neuroscience

AMIE 2020 | September 14-15

Booking pipeline open



Summer School on Imaging

in Epilepsy, Epilepsy Surgery,
Epilepsy Research and Cognitive Neurosciences

SuSIE 2020 | September 16-17

Booking pipeline open



AMIE 2020 online & free The Neurotech Conference

14.+15.9.2020: 10 Online Scientific Workshops

DTI Tractography and Structural Network analysis
EEG, MEG and fMRI Connectivity in Epilepsy
E/MSI, fMRI and Connectivity Analysis in Cognitive Neuroscience
Electrical and Magnetic Source Imaging in Epilepsy
Stereo-EEG Planning and Interpretation
Microwire Recordings: Implantation and Recording Issues
MR Volumetry and Morphometry in Neurological and Psychiatric Disease
MR Physics: Finding your Focus on MRI today and tomorrow
Artificial intelligence and Automated Lesion Detection
Lesioning – RF Thermocoagulation, Radiosurgery and Laser Ablation

14.+15.9.2020: 5 Online Sponsored Workshops

BESA: Advanced EEG- & MEG-Source Imaging and Connectivity Analysis
Brainlab: Stereo-EEG Planning with Elements and Augmented Reality
Natus: Best Setup and Approach to Perform Non-Invasive & Invasive cEEG Monitoring aimed at Pre-surgical Investigations & Epilepsy Surgery
Inomed: RF Brain Lesioning; from Planning to Operation
Epilog: Use of Interictal & Ictal ESI in Refractory Epilepsy Patients

AMIE Permanent Virtual Exhibition

Interactive online platform for everybody in the neuro-sector
(clinicians, scientists and engineers) looking for technical solutions,
know-how or cooperation. Opens in August 2020



www.amie.academy

exhibition.amie.academy

SuSIE 2020 online & free Summer School for Epileptologists

16.9.2020: 13 SuSIE Online Lectures

Epileptogenic Lesions: MRI Protocol; Strategies to Find Epileptogenic Lesions Including Focus Hypothesis; Spectrum of Epileptogenic Lesions; MRI in Children

Advanced MRI analysis: MAP Post-processing & co; New Sequences & High Field; Imaging the Epileptic Seizure by MRI

Functional imaging: PET & SPECT; EEG and MEG Source Imaging; Connectivity Analysis

Clinical Application of Multimodal Imaging: Co-registering various Imaging Modalities; 3D-SEEG-Planning; Coagulation Planning

17.9.2020: The 2020 SuSIE Online Key-Note Lectures

Prof. Alexander Radbruch, Director of the Institute of Neuroradiology, University Hospital Bonn “How AI Changes Everything in Radiology!?”

Prof. Helen Cross, Chair of Childhood Epilepsy and Head of the Developmental Neuroscience Program at UCL-Great Ormond Street Institute of Child Health, **President of the ILAE:** “The earlier – the better? Epilepsy Surgery in Children”.

SuSIE teaching and hands-on workshops

*Will not take place in 2020
due to the online format*

www.imaging-in-epilepsy.org

www.susie.academy

The AMIE 2020 workshop schedule

Workshop title	Target group	Time (CEST)
Scientific workshops (important notice: these are scientific, <u>no</u> clinical application workshops)		
DTI Tractography and Structural Network Analysis	CN, E, N/ES, R/MR	14.9.20 9-12h
Stereo-EEG Planning and Interpretation	E, N/ES	14.9.20 9-12h
EEG, MEG and fMRI Connectivity in Epilepsy	CN, E, N/ES, R/MR	14.9.20 4-17h
MR-Volumetry and Morphometry in Neurological and Psychiatric Diseases	CN, E, N/ES, R/MR	14.9.20 4-17h
Microwire Recordings: Implantation and Recording Issues	CN, E, N/ES	14.9.20 4-17h
E/MSI, fMRI and Connectivity Analysis in Cognitive Neuroscience	CN, E	15.9.20 9-12h
RF-Thermocoagulation and Radiosurgery	E, N/ES	15.9.20 9-12h
Artificial Intelligence and Automated MRI Lesion Detection	E, N/ES, R/MR	15.9.20 9-12h
EEG and MEG Source Analysis in Epileptology	E, N/ES	15.9.20 14-17h
MR-Physics: Finding your Focus on MRI Today and Tomorrow	CN, E, R/MR	15.9.20 14-17h
Sponsored workshops		
BESA: Advanced EEG- and MEG-Source Imaging and Connectivity Analysis	E, CN	14.9.20 9-12h
Brainlab: Stereo-EEG Planning with Elements and Augmented Reality	N/ES, E	14.9.20 14-18h
Natus: Best Setup and Approach to Perform Non-invasive and Invasive cEEG Monitoring Aimed at Pre-surgical Investigations and Epilepsy Surgery	E, CN	15.9.20 9-12h
Inomed: RF Brain Lesioning – from Planning to Operation	N/ES, E	15.9.20 14-17h
Epilog: Usage of Interictal and Ictal ESI in Refractory Epilepsy Patients	E	15.9.20 14-17h

Target group abbreviation: CN = (Cognitive) Neuroscientists, E = (Experimental) Epileptologists, N/ES = Neuro-/Epilepsy Surgeons; R/MR = (Neuro) Radiologists/MR-Researchers.

Book at: <https://booking.susie.academy>. Caution: some workshops have restricted capacity

The SuSIE 2020 lecture schedule

SuSIE Online Lecture Day	Target group	Time (CEST)
MRI Protocol	E, N/ES, R/MR	16.9.20 9:15h
Strategies to Find Epileptogenic Lesions (including Focus Hypothesis)	E, N/ES, R/MR	16.9.20 9:45h
Spectrum of Epileptogenic Lesions	E, N/ES, R/MR	16.9.20 10:15h
MRI in Children	E, N/ES, R/MR	16.9.20 10:45h
MAP Postprocessing & co	E, N/ES, R/MR	16.9.20 11:30h
New Sequences, High Field MRI	E, N/ES, R/MR	16.9.20 12:00h
Imaging the epileptic seizure by MRI	E, N/ES, R/MR	16.9.20 12:30h
PET, SPECT	E, N/ES, R/MR	16.9.20 14:00h
EEG and MEG Source Imaging	E, N/ES, CN	16.9.20 14:30h
Connectivity analysis	E, N/ES, R/MR, CN	16.9.20 15:00h
Multimodal Image Coregistering	E, N/ES, R/MR	16.9.20 15:45h
3D-SEEG-Planning	E, N/ES	14.9.20 16:15h
Coagulation Planning	E, N/ES	14.9.20 16:45h

SuSIE Key-Note Lectures	Target group	Time (CEST)
Alexander Radbruch, Bonn, Germany: How AI changes Everything in Radiology!?	E, N/ES, R/MR	17.9.20 19:00h
Helen Cross, London, UK: The earlier – the better? Epilepsy Surgery in Children	E, N/ES	17.9.20 20:00h

For the lecture day and key-note lectures no prior booking is required. Simply go to <http://lectureday.susie.academy> and <http://key-note-lectures.susie.academy> on the respective lecture day.

All lectures and workshop (except sponsored workshops) are held via  GoToWebinar by LogMeIn