

## 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](http://www.amie.academy)

[exhibition.amie.academy](http://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, London, UK, **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](http://www.imaging-in-epilepsy.org)

[www.susie.academy](http://www.susie.academy)

# The AMIE 2020 workshop schedule

Workshop title	Target group	Time (CEST)
<b>Scientific workshops</b> (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
<b>Sponsored workshops</b>		
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