PROGRAM

1st International Congress on Mobile Devices and Seizure Detection in Epilepsy
THURSDAY JULY 6th 2017
17:00 - 18:00 Registration at Scandic Copenhagen (pickup Tivoli ticket)
19:00 Networking dinner in the Restaurant Gemyse (Tivoli)

FRIDAY JULY 7th 2017
08:00 - 08:45 Registration and breakfast in the foyer and exhibition area

Plenary Session 1
08:45 - 09:15 Seizure detection using intracranial EEG for closed loop system
Martha Morrell, Department of Neurology and Neurological Sciences, Stanford University, Stanford, United States

09:15 - 09:45 Seizure detection using scalp EEG
Christoph Baumgartner, Karl Landsteiner Institute for Clinical Epilepsy Research and Cognitive Neurology; Sigmund Freud University, Austria

09:45 - 10:15 Seizure detection using movement sensors
Johan Arends, Epilepsie Centrum Kempenhaeghe, The Netherlands

10:15 - 10:45 Seizure detection using surface electromyography
Sándor Beniczky, Danish Epilepsy Centre and Aarhus University, Denmark

10:45 - 11:15 Coffee break in exhibition area

Platform Presentations 1
11:15 - 11:30 Non-EEG based seizure detection: necessity, availability, possibilities, requirements and challenges
Anouk Van de Vel, University Hospital of Antwerp, Belgium

11:30 - 11:45 EpSMon – Safety in your pocket: patient self-empowerment saves lives
Brendan Mclean, The Royal Cornwall Hospitals NHS Trust, United Kingdom

11:45 - 12:00 Seizure detection with integrated sensor garments
Kristina Malmgren, Sahlgrenska Academy and University Hospital, Sweden

12:00 - 12:15 User based evaluation of applicability and usefulness of a wireless wrist accelerometer in registering tonic-clonic seizures
Pirgit Meritam, Danish Epilepsy Center, Denmark
12:15 - 12:30  Integrating technology and advanced analytics to improve outcomes of people living with epilepsy
            Erik Janssen, UCB Biopharma SPRL

12:30 - 13:30  Lunch in exhibition area

13:30 - 14:30  Poster Session

Plenary Session 2
14:30 - 15:00  RADAR-CNS: remote monitoring of epilepsy using wearable sensors
            Mark Richardson, King’s College London, Institute of Psychiatry, United kingdom

15:00 - 15:30  Data compression strategy for long term home monitoring
            Nikolaos Voros, Technological Educational Institute of Western, Greece

15:30 - 16:00  Coffee break in exhibition area

Keynote Lecture
16:00 - 17:00  Continuous multimodal recording using EpiWatch
            Gregory Krauss, Johns Hopkins University, Baltimore, MD, United States
Flash-Up Presentation
08:00 - 08:10  Automated video-based detection of convulsive seizures in a residential care setting
Evelien Geertsema, Stichting Epilepsie Instellingen Nederland (SEIN)

08:10 - 08:20  Ear-EEG for mobile long-term EEG monitoring of interictal and ictal events
Ivan Zibrandtsen, Zealand University Hospital, Neurological Dep, Denmark

08:20 - 08:30  Automated R-peak detection algorithm for patients with epilepsy using a portable electrocardiogram recorder: first step towards portable seizure detector
Jesper Jeppesen, Dep. of Neurophysiology, Aarhus University Hospital, Denmark

08:30 - 08:40  Tonic seizure detection based on multimodal detection methods using the EpiSense sensor
Joyce van Sluis, Kempenhaeghe Epilepsy Centre, The Netherlands

08:40 - 08:50  QNeuro – cloud-based medical assistance and decision support system for effective treatment and assistance of epilepsy patients
Piotr Zwolinski and Mariusz Chmielewski, EnQuant, Poland

08:50 - 09:00  Obstacles in the implementation of wearable seizure detection techniques in a residential care facility
Nicole Rommens, Stichting Epilepsie Instellingen Nederland (SEIN), The Netherlands

09:00 - 09:10  Feasibility of home video telemetry polysomnography for assessing sleep related neurological disorders
Peter Muthinji, King’s College Hospital, United Kingdom

09:10 - 09:20  An automatic multimodal seizure detection algorithm for evaluation of ambulatory EEG recordings
Franz Fürbass, AIT Austrian Institute of Technology GmbH, Austria
Plenary Session 3
09:30 - 10:00  **Seizure detection using multimodal signals**  
*Frans Leijten*, University Medical Center Utrecht, The Netherlands

10:00 - 10:30  **Seizure prediction**  
*Andreas Schulze-Bonhage*, Epilepsy Center, Medical Center, University of Freiburg, Germany

10:30 - 11:00  **Coffee break in exhibition area**

Plenary Session 4
11:00 - 11:30  **Wearable devices in SUDEP prevention**  
*Philippe Ryvlin*, Department of Clinical Neurosciences, CHUV, Lausanne, Switzerland and Epilepsy Institute IDEE, Lyon, France

11:30 - 12:00  **Implementation of wearable devices in praxis: the point of view of the healthcare providers**  
*Hasse Petersen*, Welfare Innovation Zealand Denmark, Denmark

12:00 - 12:30  **Wearable sensors and low-power integrated circuits in health care applications**  
*Esther Rodriguez-Villegas*, Department of Electrical and Electronic Engineering, Imperial College London, London, United Kingdom

12:30 - 13:30  **Lunch in exhibition area**

Platform Presentations 2
*Franz Brunnhuber*, King’s College Hospital, United Kingdom

13:45 - 14:00  **Clinical evaluation of the Brain Sentinel® GTC Seizure Detection and Warning System**  
*Josè Cavazos*, Brain Sentinel, United States

14:00 - 14:15  **Ultra-long-term recordings of brain and heart**  
*Troels W Kjær*, Zealand University Hospital, Roskilde, Denmark

Panel Discussion
14:15 - 15:00  **Standards for testing and clinical validation of seizure detection devices**
Main Sponsor:

Inspired by patients.
Driven by science.

Sponsors:

BRAIN SENTINEL

DANSK EPILEPSI SELSKAB
Danish Epilepsy Society

FILADELFIA

IctalCare

UNEEG medical

Exhibitors:

Danish Care Technology ApS

Dansk Epilepsiforening

empatica

lifelines iEEG

micromed Ortus Medical

Endorsed by:

International Congress on Mobile Health Devices and Seizure Detection in Epilepsy

1st International Congress
July 07th - 08th 2017
www.etouches.com/mobil2017

Hotel Scandic Copenhagen
Vester Søgade 6
1601 Copenhagen V
Denmark