

# 1st International congress on mobile health devices and seizure detection in epilepsy



7 - 8 July, 2017



Copenhagen - Denmark

DEAR COLLEAGUES,

IT IS A PLEASURE TO WELCOME YOU TO THE 1ST INTERNATIONAL CONGRESS ON MOBILE HEALTH DEVICES AND SEIZURE DETECTION IN EPILEPSY IN COPENHAGEN DENMARK FROM JULY 7 - 8, 2017.

RECENT ADVANCES IN SIGNAL ANALYSIS AND INFORMATION TECHNOLOGY HAVE TRIGGERED A BOOM IN THE FIELD OF MOBILE HEALTH, WITH IMPORTANT APPLICATIONS TO THE MANAGEMENT OF PATIENTS WITH EPILEPSY, INCLUDING SEIZURE DETECTION.

THE GOAL OF THE COLLOQUIUM IS TO DISSEMINATE, FACILITATE AND ACCELERATE PROGRESS IN THE DEVELOPMENT OF MOBILE HEALTH SOLUTIONS AND SEIZURE DETECTION DEVICES FOR PATIENTS WITH EPILEPSY.

THE WORKSHOP WILL ENHANCE INFORMATION-EXCHANGE AMONG RESEARCHERS, HIGH-TECH COMPANIES, MEDICAL ORGANIZATIONS AND PATIENTS' ORGANIZATIONS FACILITATING NETWORKING, DEVELOPMENT OF JOINT PROJECTS AND COLLABORATIONS IN THIS QUICKLY DEVELOPING FIELD.

IN ADDITION, INTERACTIVE, EDUCATIONAL HANDS-ON SESSIONS WILL CONTRIBUTE TO THE DISSEMINATION OF NOVEL TECHNOLOGIES.

MAIN TOPICS:

- SEIZURE-DETECTION: WHICH MODALITIES CAN BE IMPLEMENTED IN MOBILE DEVICES?
- SEIZURE-DETECTION: PUBLISHED EVIDENCE SO FAR.
- HOW TO COUPLE SEIZURE-DETECTION WITH THERAPEUTIC INTERVENTIONS.
- SUDEP PREVENTION THROUGH MOBILE HEALTH.
- SEIZURE DIARIES BASED ON AUTOMATED SEIZURE DETECTION.
- TELEMEDICINE IN EPILEPSY (EEG, HOME-VIDEO-EEG MONITORING, FOLLOW-UP MEETINGS, SECOND OPINION SESSIONS)
- FROM RESEARCH AND DEVELOPMENT TO IMPLEMENTATION IN PRACTICE: WHAT ARE THE NEEDS OF THE PATIENTS AND HEALTHCARE PROVIDERS?

WE WISH YOU ALL VERY WELCOME TO COPENHAGEN!

[HTTPS://WWW.ETOUCHES.COM/MOBIL2017](https://www.etouches.com/mobil2017)  
COPENHAGEN, DENMARK

VENUE  
HOTEL SCANDIC COPENHAGEN \*\*\*\*  
VESTER SOEGADE 6  
DK - 1601 COPENHAGEN V

# PRELIMINARY PROGRAM, FRIDAY JULY 7TH 2017

08:30 – 09:00

REGISTRATION AND BREAKFAST

09:00 – 12:00

## PLENARY SESSION 1

- SEIZURE DETECTION USING IMPLANTED ELECTRODES. CLOSED LOOP SYSTEM

*MARHTA MORRELL*

- SEIZURE DETECTION USING SCALP ELECTRODES

*CHRISTOPH BAUMGARTNER*

- SEIZURE DETECTION USING MOVEMENT SENSORS

*JOHAN ARENDS*

- SEIZURE DETECTION USING SURFACE ELECTROMYOGRAPHY

*SÁNDOR BENICZKY*

12:00 – 13:00

LUNCH BREAK

13:00 – 15:30

## "HOW-TO-DO" SESSION 1

- RADAR-CNS: REMOTE MONITORING OF EPILEPSY USING WEARABLE SENSORS

*MARK RICHARDSON*

- DATA COMPRESSION STRATEGY FOR LONG TERM HOME MONITORING

*NIKOLAOS VOROS*

*TO BE ANNOUNCED (SELECTED FROM SUBMITTED ABSTRACTS)*

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15:30 – 16:30

## KEYNOTE LECTURE

- CONTINUOUS MULTIMODAL RECORDING USING EPIWATCH

*GREGORY KRAUSS*

19:00

NETWORKING DINNER IN THE OLD TIVOLI GARDEN.

# PRELIMINARY PROGRAM, SATURDAY JULY 8TH 2017

08:30 – 09:00

**REGISTRATION AND BREAKFAST**

09:00 – 12:00

**PLENARY SESSION 2**

- **SEIZURE DETECTION USING MULTIMODAL SIGNALS**

*FRANS LEIJTEN*

- **SEIZURE PREDICTION**

*ANDREAS SCHULZE-BONHAGE*

- **WEARABLE DEVICES IN SUDEP PREVENTION**

*PHILIPPE RYVLIN*

- **IMPLEMENTATION OF WEARABLE DEVICES IN PRAXIS: THE POINT OF VIEW OF THE HEALTHCARE PROVIDERS**

*JENS-OTTO JEPPESEN*

12:00 – 13:00

**LUNCH BREAK**

13:00 – 15:30

**"HOW-TO-DO" SESSION 2**

- **WEARABLE SENSORS AND LOW-POWER INTEGRATED CIRCUITS IN HEALTH CARE APPLICATIONS**

*ESTHER RODRIGUEZ-VILLEGAS*

*TO BE ANNOUNCED (SELECTED FROM SUBMITTED ABSTRACTS)*

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## VENUE

The meeting will take place at Scandic Copenhagen. Address:  
Hotel Scandic Copenhagen \*\*\*\*  
Vester Soegade 6  
DK - 1601 Copenhagen V

10 minutes walk from Copenhagen Central Station and  
Copenhagen Airport.

## ACCOMMODATION

At Hotel Scandic Copenhagen. A block reservation has  
been made at the venue from July 7 - 9, 2017. This  
hotel can be booked as part of the registration. Extra  
nights please contact [mb@meetingplanners.dk](mailto:mb@meetingplanners.dk)

Rate per night from: DKK 1.250.  
Buffet breakfast included, Internet included

## LOCAL CONGRESS ORGANISER

For questions in regards to sponsorship, registration  
and accomodation.

The Meeting Planners

Berrit Rasmussen

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