

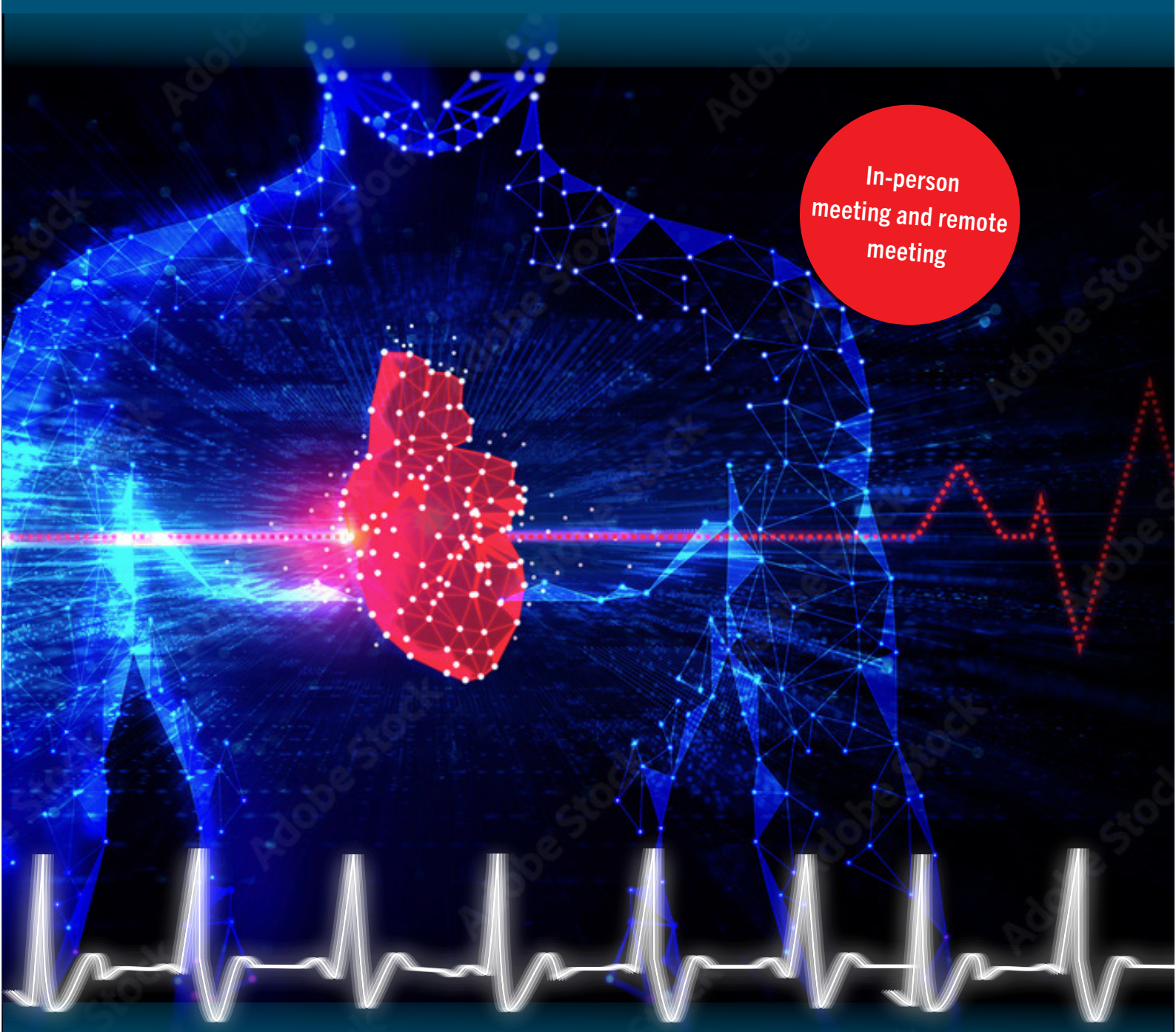
SCRN

SOCIETY FOR ● CARDIAC ROBOTIC NAVIGATION

SIXTH ANNUAL INTERNATIONAL SCRN MEETING

29-30 SEPTEMBER 2022 **HYBRID MEETING** MARGARET ISLAND, BUDAPEST

*In-person
meeting and remote
meeting*



Organizing Committee:

Prof. Pedro Adragão | Dr. David Burkhardt | Dr. Daniel Cooper | Dr. Eugene Crystal | Dr. Lara Dabiri | Prof. Sabine Ernst | Dr. Pedram Kazemian | Mr. Emile Peters | Dr. Pekka Raatikainen | Dr. Tamas Szili-Torok | Dr. Ali Tavallaei | Dr. Peter Weiss

Course Director: Dr. Tamas Szili-Torok

Faculty:

Prof. Pedro Adragão | Hospital da Luz, Lisbon, Portugal

Prof. Farshid Alambeigi, | The Advanced Robotic Technologies for Surgery Laboratory, Austin, USA

Dr. David Burkhardt | Texas Cardiac Arrhythmia Group, Austin, TX, USA

Dr. Xu Chen | Rigshospitalet, Copenhagen, Denmark

Dr. Daniel Cooper | Washington University, St. Louis, MO, USA

Dr. Rahul Doshi | HonorHealth, Scottsdale, AZ, USA

Prof. Sabine Ernst | Royal Brompton Hospital, London, UK

Dr. Rita Gagyi | Erasmus MC, Rotterdam, The Netherlands

Dr. Jack Griffiths | Royal Brompton Hoyspital, London, UK

Dr. Burkhard Hügl | Marienhaus Klinikum Neuwied St. Elisabeth, Neuwied, Germany

Prof. Qi Jin | Rujing Hospital, Shanghai, China

Prof. Yoonho Kim | Massachusetts Institute of Technology, Cambridge, USA

Dr. Anne-Marie Noten | Erasmus MC, Rotterdam, The Netherlands

Prof. Hemut Pürerrerfellner | Ordensklinikum Linz Elisabethinen, Linz, Austria

Dr. Pekka Raatikainen | Heart and Lung Center Helsinki University Hospital, Helsinki, Finland

Dr. Jan-Lukas Robertus | Imperial College London, London, UK

Prof. Pallav Shah | Royal Brompton Hospital, London, UK

Dr. Tamas Szili-Torok | Erasmus MC, Rotterdam, The Netherlands

Prof. Lukasz Szumowski | Kardiologii Instytut, Warsaw, Poland

Dr. Ali Tavallaei | Toronto University, Toronto, ON, Canada

Dr. Radu Vatasescu | Arrhythmias Cardiac EP and Pacing Institute of Cardiovascular Diseases, Bucharest, Romania

Prof. Ru-Xing Wang | Wuxi people's hospital, Wuxi, China

Dr. Helmut Weber | CCEP, Taufkirchen, Germany

Dr. Peter Weiss | Banner University of Arizona MC, Phoenix, AZ, USA



07:30-08:00 **WELCOME TO MEETING** | *Course Director*

Day 1 ▶

PARALLEL SESSION

Allied Professionals

ROOM

08:00-09:15 SESSION 1

Implanted devices programming during robotic interventions | *N.N.*

Use of mechanical support during robotic interventions | *EMC*

Comparisson of different ablation strategies/ live wet lab

Panel Discussion

DAY 1 ▶ Main Session

ROOM

08:00-09:15 ROBOTICS & TELESUPPORT IN HEALTH CARE

08:00-08:25 Robotics in Medicine – Keynote lecture | *Hamlyn Center for Robotics-Imperial College*

08:25-08:40 AI & ML in Cardiology | *N.N.*

08:40-08:55 Telesupport | *Helmut Pürerrerfellner*

08:55-09:10 Panel Discussion

09:10-09:35 COFFEE BREAK

09:35-10:50 NEW CARDIAC AND NON-CARDIAC ROBOTIC INTERVENTIONS

09:35-09:50 Robotics and non-invasive mappingv | *Pedro Adragão*

09:50-10:05 Robotics and non-invasive mapping | *Jonathan Hill*

10:05-10:20 Neuromodulation for pulmonary arterial hypertension | *N.N.*

10:20-10:35 Robotics for lung interventions | *Pallav Shah*

10:35-10:50 Panel Discussion

10:50-12:15 NEW TECHNOLOGY (AI/ML, IMAGE PROCESSING, PFA ETC.)

10:50-11:00 Young EP case presentation – new technology | *Rita Gagyí*

11:00-11:15 Image integration and processing | *Kasia Malacynska-Rajpold*

11:15-11:30 Ablation using laser energy | *Helmut Weber*

11:30-11:45 Robotic PFA experience | *Peter Weiss*

11:45-12:00 Panel Discussion

12:00 -13:00 **LUNCH BREAK**

13:00-14:20 ROBOTIC AF ABLATION SESSION

13:00-13:05 Young EP case presentation – AF | *N.N.*

13:05-13:20 CARTO RMT experience | *Pekka Raatikainen*

13:20-13:35 Novel 3D mapping systems for persistent AF | *Tamas Szili-Torok*

13:35-13:50 Single catheter PVI | *Xu Chen*

13:50-14:05 N.N. | *Radu Vatasescu*

14:05-14:20 Panel Discussion

14:20-15:40 ROBOTIC VT ABLATION SESSION

14:20-14:25 Young EP case presentation – PVC/VT | *N.N.*

14:25-14:40 Single operator VT ablation | *Burkhard Hügl*

14:40-14:55 Non-invasive mapping for PVC | *Tamas Szili-Torok*

14:55-15:10 Non-invasive 3D mapping for robotic PVC ablation: The Brompton experience
| *Jack Griffiths*

15:10-15:25 Epicardial VT – a new standard | *David Burkhard*

15:25-15:40 Panel Discussion

15:50-16:15 COFFEE BREAK

16:15-17:30 Transport to Aquaworld Budapest for Joint Session

17:30-19:00 BIAS & SCRN JOINT SESSION: STATE OF THE ART HIGH POWER ABLATION AND REMOTE NAVIGATION

17:30-17:35 Introduction, novelties in the field of cardiac ablation | *Peter Weiss*

17:35-17:55 High Power and Very High Power short ablation for AF: why and how? | *Dhiraj Gupta*

17:55-18:05 Durability and safety results of High Power and Very High Power short duration PVI
| *Nándor Szegedi*

18:05-18:20 Remote navigation in ablation of complex atrial arrhythmias | *Tamas Szili-Torok*

18:20-18:35 Utilization of machine learning in treatment of arrhythmia patients | *Sabine Ernst*

18:35-18:50 Panel Discussion

Chairs: Dhiraj Gupta & Nagy Klaudia Vivien | Remote Chair: Helmut Pürerfellner

18:50-19:00 ADJOURN DAY 1

19:15-20:00 Transport to Ensana Hotel

20:00-20:30 **SCRN NETWORK DINNER EVENT**

05:30-07:30 SCRN Charity Run

08:00-09:00 Hands-on & Industry Workshops slot 1 (no CME)

09:00-09:30 **COFFEE BREAK**

09:30-10:30 Hands-on & Industry Workshops slot 2 (no CME)

10:30-11:00 **COFFEE BREAK**

11:00-12:15 BEST PAPER SESSION

11:00-11:15 Remote magnetic navigation shows superior long-term outcomes in pediatric atrioventricular (nodal) tachycardia ablation compared to manual radiofrequency and cryoablation | *Anne-Marie Noten*

11:15-11:30 Multiphysical Analytical Modeling and Design of a Magnetically Steerable Robotic Catheter for Treatment of Peripheral Artery Disease | *Farshid Alambeigi*

14:50-15:05 Atrial Fibrillation Ablation Using Robotic Magnetic Navigation Reduces the Incidence of Silent Cerebral Embolism | *Ru-Xing Wang*

15:05-15:20 Telerobotically Controlled Magnetic Soft Continuum Robots for Neurovascular Interventions | *Yoonho Kim*

15:20-15:35 Panel Discussion
Chairs: Ali Tavallaei / Pedram Kazemian

12:15-13:15 **LUNCH BREAK** / Industry Perspective (New tools) (no CME)
Panel session: Chair: Sabine Ernst / Tamas Szili-Torok/ Pete Weiss

13:15-14:30 ROBOTIC BENEFITS FOR THE OPERATOR & PATIENT

13:15-13:30 Overview multicentre magnetic work – EU perspective | *Anne-Marie Noten*

13:30-13:45 Overview multicentre magnetic work – US perspective | *Daniel Cooper*

13:45-14:00 Magnetic navigation: Learning curve and techniques for training new operators | *Qi Jin*

14:00-14:15 Robotics in young patients & children | *Anne-Marie Noten*

14:15-14:30 Panel Discussion

14:30-15:45 ALTERNATIVE ACCESS FOR REMOTE-CONTROLLED ARRHYTHMIA (MANAGEMENT) ARM APPROACH

14:30-14:45 Arterial access (learning from the interventionalist) | *N.N.*

14:45-15:00 Vascular anatomy review | *Jan-Lukas Robertus*

15:00-15:15 Vascular access for PICC or Right heart catheter | *Pekka Raatikainen*

15:15-15:30 Clinical experience so far in adult and ACHD patients | *Sabine Ernst*

15:15-15:30 Clinical experience so far in adult and ACHD patients | *Sabine Ernst*

15:30-15:45 Panel Discussion

15:45 -16:00 **ADJOURN DAY 2**

DAY 2 ▶ Workshops

ROOM

08:00-10:30 HANDS-ON & INDUSTRY WORKSHOP SELECTION

- 60 min Group 1 ▶ Anatomy Workshop
 - 60 min Group 2 ▶ Robotic Simulator Challenge – Stereotaxis
 - 60 min Group 3 ▶ Ultrasound-guided puncture on phantom
 - 60 min Group 4 ▶ Ablation simulation High power short duration vs. PFA
 - 60 min Group 5 ▶ Non-invasive 3D mapping workshop
 - 60 min Group 6 ▶ Genesis Corner / Show cases showing experience
-

VENUE

Ensana Hotel Margaret Island
Star Auditorium
Budapest- Margitsziget
H-1007 Budapest, Hungary
res.gh@hu.ensanahotels.com

Book your room
at special SCRN rate at:
sales.th@hu.ensanahotels.com



SCRN CHARITY RUN

In support of World Heart Day – 29 September 2022, participants of the Sixth Annual SCRN Meeting will run the Margaret Island Running Track in Budapest. In the morning of 30 September before sessions participants will gather and use their ❤️ for every ❤️ and run or walk 5 km.



SCRN | Society for Cardiac Robotic Navigation | contact@scrn.eu | www.scrn-global.com

Logistic Organization: Meeting Pulse | Marloes Deeterink, Petra Kuiper |
info@meeting-pulse.com

Concept & Design: www.teamwerk-2.de | Ricarda Süllwald | suellwald@teamwerk-2.de

Meeting Sponsored by:

Platinum & Gold Supporters



Silver & Bronze Supporters



Conflict Of Interest:

Peter Weiss Receipt of honoraria or consultation fees: Stereotaxis, Galaxy Medical, Acutus, Abbott, Biotronik, Corfigo | Stockholder: Stereotaxis | **Sabine Ernst** Receipt of grants / research supports: Catheter Precision | Receipt of honoraria or consultation fees: Biosense Webster, Stereotaxis | **Daniel Cooper** Receipt of honoraria or consultation fees: Medtronic, Abbott Medical, Boston Scientific | **Eugene Crystal** Receipt of grants / research supports: Biotronik, Abbott | Receipt of honoraria or consultation fees: Bayer | **Pekka Raatikainen** | Receipt of grants / research supports: Biosense Webster | Receipt of honoraria or consultation fees: Biosense Webster, Stereotaxis | **Ali Tavallaei** Stock holder / Co-founder: Magellan Biomedical Inc.

An application has been made to the UEMS EACCME® for CME accreditation of this event



The event **Sixth Annual International SCRN Meeting** is accredited by the European Board for Accreditation of Continuing Education for Health Professionals (EBAC) for 09 hours of External CE credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity. In compliance with EBAC guidelines, all speakers/ chairpersons participating in this programme have disclosed or indicated potential conflicts which might cause a bias in the presentations. The Organizing Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CE activities.

Course Director: Dr. Tamas Szili-Torok | Satellite symposia (if any) are excluded from EBAC accreditation