PRELIMINARY PROGRAM

WEDNESDAY, 15 APRIL 2015

1530-1835 Pre-conference Tutorial

Sudden Cardiac Death

Organizers: Marek Malik, Imperial College, London ENGLAND
Dewar Finlay, University of Ulster, Belfast NORTHERN IRELAND

1530-1545 Marek Malik, Imperial College, London ENGLAND
Overview
1545-1635 Richard Verrier, Boston
Title: Pathophysiological mechanisms involved in sudden cardiac death
1635-1655 Break
1655-1745 Sumeet Chugh, Los Angeles
Title: Epidemiology of sudden cardiac death
1745-1835 Georg Schmidt, Munich
Title: Stratification of sudden cardiac death risk

1835-2000 Opening reception

THURSDAY, 16 APRIL 2015

0800-0815 Welcome & Opening Remarks
DEWAR FINLAY, UNIVERSITY OF ULSTER, BELFAST NORTHERN IRELAND

0815-1020 Session I: Papers from submitted abstracts
Chair: Marek Malik, Imperial College, London ENGLAND
Co-chair: Dewar Finlay, University Of Ulster, Belfast NORTHERN IRELAND
0815-0820 Chair
Overview
0820-0835 Salah Al-Zaiti, University of Pittsburgh, USA
Title: The Clinical Utility of Ventricular Repolarization Dispersion for Real-Time Detection of Non-ST Elevation Myocardial Infarction in Emergency Departments
Discussion
0850-0920 Discussion
0920-0935 Larisa Tereschchenko, Oregon Health & Science University, OR USA
Title: Velocity of the Heart Vector Movement through the QRS Predicts Sudden Cardiac Death.
Discussion
0935-0950 Discussion
1005-1020 Discussion

1050-1235 Session II: Contemporary approaches to AF analysis
Chair: Gari. D. Clifford, Emory University, Atlanta GA, USA
Co-chair: Julien Oster, University of Oxford, UK
1050-1105 Chair
Overview
1105-1120 Valentina Corino, Politecnico Di Milano, Italy
Title: Atrioventricular Conduction in Patients with Atrial Fibrillation
Discussion
1120-1135 Discussion
1135-1150 Randall Moorman, University of Virginia, USA
Title: A large open database for AF analysis
Discussion
1150-1205 Discussion
1205-1220 Julien Oster, University of Oxford, UK
Title: AF detection in noisy ECG using RR intervals and a machine learning approach
Discussion
1220-1235 Discussion

1700-1800 Poster Session 1

PRESENTERS:
TBC

1900-2125 SESSION III: Applying Electrocardiographic Inverse Solutions in the Clinic: Progress and Challenges
Chair: Rob MacLeod, University of Utah, USA
Co-chair: Peter van Dam, Radboud Medical Center Nijmegen, Arnhem, THE NETHERLANDS
1900-1905 Chair
Overview
1905-1920 Milan B. Horacek, Dalhousie University, Canada
Title: Localization of the origin of ventricular activation: deterministic vs. statistical models
1920-1935 Discussion
1935-1950 Noel G. Boyle, University of California Los Angeles, USA
Title: Activation Mapping of PVCs and VT using Patient Specific Anatomy, 12 lead ECG and the vector
1950-2005 Discussion
2005-2025 Break
2025-2040 Rémi Dubois, IHU LIRYC (Electrophysiology and Heart Modeling Institute) Pessac (Bordeaux), France
Title: ECGI in clinical practice: Panoramic Mapping to guide AF ablation
2040-2055 Discussion
2055-2110 Rob MacLeod, University of Utah, USA
Title: The time is right: ECG Inverse solutions in research and clinical practice
2110-2125 Discussion

2125-2300 Poster Session 1 – Continuing Discussions

FRIDAY, 17 APRIL 2015

0830-1005 Session IV: Training and education in ECG acquisition and interpretation
Chair: Raymond Bond, University of Ulster, Belfast, UK
Co-chair: Tomás Novotný, University Hospital Brno, CZECH REPUBLIC
0830-0835 Chair
Overview
0835-0850 Richard Fidler, University of California San Francisco, USA
Title: A Simulation Approach to Human Factors Analysis of Bedside Monitoring Displays
0850-0905 Discussion
0905-0925 Tomás Novotný, University Hospital Brno, CZECH REPUBLIC
Title: The role of automatic computerised diagnoses: Are cardiac fellows better at ECG interpretation when compared to internists?
0925-0940 Discussion
0940-0955 Aaron Peace, Altnagelvin Hospital, Derry, UK
Title Using Interactive Response Technology for Training Electrocardiographers and for Aggregating Diagnoses
0955-1005 Discussion

1005-1030 Break

1030-1205 Session V: Neuro-autonomic signatures on the surface ECG
Chair: Vladimir Shusterman, University of Iowa, IA USA
Co-chair: Rachel Lampert, Yale University, New Haven, CT USA
1030-1035 Chair
Overview
1035-1050 Rachel Lampert, Yale University, New Haven, CT USA
Title: ECG signatures of psychological stress in daily life
1050-1105 Discussion
1105-1120 Cees A. Swenne
   Title: Within-subject ECG differences at equal heart rates during exercise and recovery, in normals and in heart failure patients.
1120-1135 Discussion
1135-1150 Vladimir Shusterman, University of Iowa, IA USA
   Title: Nighttime patterns of respiration and repolarization in patients with implantable devices.
1150-1205 Discussion
1205-1215 ISCE Membership Meeting

1700-1800 Poster Session 2

PRESENTERS:

1900-1950 Kenichi Harumi Plenary Address
   DAVID W. MORTARA, PHD
   Mortara Instrument, Milwaukee WI USA
   Title Turning points in 40 years of electrocardiography

1950-2000 Break

2000-2205 Session VI: Jos Willems Young Investigators Competition
   Chair: Mary G. Carey, University of Rochester Medical Center, Rochester, NY USA
   Co-chair: Shen Luo, MindRay Biomedical, Mahwah NJ USA
2000-2005 Mary G. Carey, University of Rochester Medical Center, Rochester, NY USA
   Overview
2005-2020 Speaker 1
   Title
2020-2035 Discussion
2035-2050 Speaker 2
   Title
2050-2105 Discussion
2105-2120 Speaker 3
   Title
2120-2135 Discussion
2135–2150 Speaker 4
   Title
2150–2205 Discussion
**2205-2300  Poster Session 2 – Continuing Discussions**

**SATURDAY, 18 APRIL 2015**

**0830-1205 Session VII: Leads, vectors and dipoles**

Chair: Cees A. Swenne, Leiden University Medical Center, Leiden, NL  
Co-chair: Daniel Guldenring, University of Ulster, Belfast, UK

0830-0835  Chair

Overview

0835-0850  John J Wang, Philips Healthcare, Andover MA USA  
*Title Validation of improved vessel-specific leads (VSLs) for detecting acute myocardial ischemia*

0850-0905  Discussion

0905-0920  Jan Kors, Erasmus MC, Rotterdam, THE NETHERLANDS  
*Title Lead Transformtions*

0920-0935  Discussion

0935-0950  Daniel Guldenring, University of Ulster, Belfast, UK  
*Title The derivation of the spatial QRS-T angle and spatial ventricular gradient using the Mason-Likar 12-lead ECG*

0950-1005  Discussion

**1005-1030  BREAK**

**1030-1205 Session VIII: Inherited Arrhythmia and the ECG**

Chair: Frank Marcus, University of Arizona, AZ, USA  
Co-chair: Sumeet Chugh, Los Angeles USA

1030-0835  Chair

Overview

1035-1050  Wojciech Zareba, University of Rochester, Rochester NY USA  
*Title: QT morphology and dynamics in LQTS*

1050-1105  Discussion

1105-1120  Marti Tristani-Firouzi, , University of Utah, USA  
*Title: tbc*

1120-1135  Discussion

1135-1150  Frank Marcus, University of Arizona, AZ, USA  
*Title: ECG findings in Arrhythmogenic Right Ventricular Cardiomyopathy*

1150-1205  Discussion

**1650-1900  Session IX: New applications and innovations in ECG monitoring**

Chair: Xiao Hu, University of California San Francisco, CA USA  
Co-chair: David Pickham, Stanford Hospital and Clinics, Stanford, CA USA

1650-1655  Chair

Overview

1655-1710  Barbara Drew, University of California San Francisco, CA USA  
*Title: Insights into the Problem of Alarm Fatigue and Recommendations for Device Innovations*

1710-1725  Discussion
1725-1740  Duc Do, University of California Los Angeles, CA USA  
Title: Can ECG monitoring identify three major types of in-hospital cardiac arrest?

1740-1755  Discussion

1755-1800  Break

1800-1815  Carolina Varo, KU Leuven, Belgium  
Title: Can ECG monitoring identify seizures?

1815-1830  Discussion

1830-1845  Randall Moorman, University of Virginia, USA  
Title: Predictive monitoring for subacute potentially catastrophic monitoring in real time

1845-1900  Discussion

1915  Banquet
Poster Awards  
JWYI Awards  
President’s Remarks  
Conference Chair’s Remarks

SUNDAY, 19 April 2015

0730-0900  Closing breakfast