

Computing in Cardiology 2017 Awards Summary

Rosanna Degani Young Investigator Award

Computing in Cardiology 2017 was proud to host the twenty fourth Rosanna Degani Young Investigator Competition. Rosanna Degani was a pioneer in the field of electrocardiology from the Institute for Research on System Dynamics & Bioengineering in Padova and Chairperson of the Organizing Committee of the 18th Computers in Cardiology Conference in Venice, September 1991. In her memory the Venice Local Organizing Committee and the Board of Directors of Computing in Cardiology established this award, whose purposes are to encourage young investigators and to provide a living memorial to Rosanna Degani.

On the basis of written manuscripts submitted before the meeting, four finalists were invited to Rennes as guests of the Conference to present their research during the opening plenary session. All finalists were given an opportunity to answer questions on their research. The presentations and research papers were judged by a panel of experts.

The winner of the 2017 Rosanna Degani Young Investigator competition was **Alessandro Masci**, University of Bologna, Italy. The manuscript “*Development of a Computational Fluid Dynamics Model of the Left Atrium in Atrial Fibrillation on a Patient Specific Basis*” can be found on page 1 of the proceedings. The other three finalists were **Beatrice De Maria**, **Alejandro Liberos**, and **Shufang Liu**.

In addition to the finalists presenting at the plenary session, four semi-finalists were awarded Certificates of Commendation: **Prashna K Gyawali**, **Nicolas Pilia**, **Miguel Rodrigo**, and **Chiara Bartolucci**.

Gary and Bill Sanders Poster Awards

The 2017 conference presented the nineteenth annual Poster Awards, supported by a generous donation from Bill and Gary Sanders. Bill is a Past President of Computers in Cardiology. The six winners this year were **Riccardo Barbieri**, **Nicolas Pilia**, **Michał Kania**, **Carlos Ledezma**, **Adrian Luca**, **Vessela Krasteva**

PhysioNet / Computing in Cardiology Challenge 2017

The winners of the 18th PhysioNet/Computing in Cardiology Challenge, dealing with AF Classification from a Short Single Lead ECG Recording were:

Morteza Zabihi, **Ali Bahrami Rad**, **Aggelos K. Katsaggelos**, **Serkan Kiranyaz**, **Susanna Narkilahti**, **Moncef Gabbouj**: *Detection of Atrial Fibrillation in ECG Hand-held Devices Using a Random Forest Classifier*

Tomás Teijeiro, **Constantino A. García**, **Paulo Félix**, **Daniel Castro**: *Arrhythmia Classification from the Abductive Interpretation of Short Single-lead ECG Records*

Shreyasi Datta, **Chetanya Puri**, **Ayan Mukherjee**, **Rohan Banerjee**, **Anirban Dutta Choudhury**, **Arijit Ukil**, **Soma Bandyopadhyay**, **Rituraj Singh**, **Arpan Pal**, **Sundeep Khandelwal**: *A Robust AF Classifier using Time and Frequency Features from Single Lead ECG Signal*

Shenda Hong, **Meng Wu**, **Yuxi Zhou**, **Qingyun Wang**, **Junyuan Shang**, **Hongyan Li**, **Junqing Xie**: *ENCASE: An ENsemble CLASsifiEr for ECG Classification Using Expert Features and Deep Neural Networks*

Mortara Fellowships Award

The three winners this year were:

Angela Agostinelli (Ancona, Italy), **Nuria Ortigosa** (Valencia), and **Faezeh Marzbanrad** (Victoria, Australia)

Joint WG e-Cardiology ESC – CinC: Clinical Needs Translational Award

For the first time, the Joint WG e-Cardiology ESC – CinC: Clinical Needs Translational Award was instituted at Computing in Cardiology 2016, with the aim of promoting and further stimulating the translational component of CinC research to clinical needs.

In 2017, on the basis of written manuscripts submitted before the meeting, a panel composed of researchers with a clinically oriented profile chose the winning submission of this award, namely:

Filip Plesinger, Pavel Jurak, Josef Halamek, Pavel Leinveber, Scott McNitt, Arthur J Moss, Wojciech Zareba, and Jean-Philippe Couderc for their work *“The VED Meter – a New Tool to Measure the Ventricular Conduction Abnormalities in Heart Failure Patients”*.