

BIOSIGNALS is part of BIOSTEC, the 11th International Joint Conference on Biomedical Engineering Systems and Technologies.

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Event URL : <http://www.sfbayeventslist.com/events/biosignals-is-part-of-biostec-the-11th-international-joint-conference-on-and>

Organizer : NYMT

Venue :

Location : Hotel Vila Galã© Santa CruzRua So Fernando, 59100-173 Santa CruzPortugal, Santa Cruz, Portugal, US, ZIP: 59100-173

BIOSIGNALS is part of BIOSTEC, the 11th International Joint Conference on Biomedical Engineering Systems and Technologies.

Registration to BIOSIGNALS allows free access to all other BIOSTEC conferences.

UPCOMING DEADLINES

Regular Paper Submission Extension: September 5, 2017

Regular Paper Authors Notification: October 16, 2017

Regular Paper Camera Ready and Registration: October 30, 2017

The purpose of the International Conference on Bio-inspired Systems and Signal Processing is to bring together researchers and practitioners from multiple areas of knowledge, including biology, medicine, engineering and other physical sciences, interested in studying and using models and techniques inspired from or applied to biological systems. A diversity of signal types can be found in this area, including image, audio and other biological sources of information. The analysis and use of these signals is a multidisciplinary area including signal processing, pattern recognition and computational intelligence techniques, amongst others.

CONFERENCE CO-CHAIRS

Hugo Gamboa, LIBPHYS-UNL / FCT - New University of Lisbon, Portugal

Ana Fred, Instituto de Telecomunicações / IST, Portugal

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PROGRAM CHAIR

Giovanni Saggio, University of Tor Vergata, Rome, Italy

KEYNOTE SPEAKERS

Anatole Lécuyer, Inria Rennes/IRISA, Hybrid Research Team, France

Corina Sas, Lancaster University, United Kingdom

Dinesh Kumar, RMIT University, Australia

Maximiliano Romero, Università luav di Venezia, Italy

WORKSHOPS

Artificial Intelligence for Health - AI4Health (BIOSTEC)

Chairs: Giovanna Sannino and Ivanoe De Falco

Submission: November 7, 2017

SPECIAL SESSIONS

Outlier Detection for Biomedical Applications - ODEBIO

Chairs: Agnieszka Duraj and Piotr Szczepaniak

Submission: November 7, 2017

DOCTORAL CONSORTIUM

Chair: Jan Schier

Submission: November 9, 2017

OPEN COMMUNICATIONS

Submission: November 9, 2017

Important Dates

Conference

Regular Papers

Paper Submission: September 5, 2017 (extended)

Authors Notification: October 16, 2017

Camera Ready and Registration: October 30, 2017

Position Papers

Paper Submission: September 29, 2017

Authors Notification: November 7, 2017

Camera Ready and Registration: November 20, 2017

Workshops

Workshop Proposal: August 31, 2017

Doctoral Consortium

Paper Submission: November 9, 2017

Authors Notification: November 22, 2017

Camera Ready and Registration: December 5, 2017

Special Sessions

Special Session Proposal: August 31, 2017

Paper Submission: November 7, 2017

Authors Notification: November 21, 2017

Camera Ready and Registration: November 29, 2017

Tutorials

Tutorial Proposal: November 24, 2017

Demos

Demo Proposal: November 24, 2017

Panels

Panel Proposal: November 24, 2017

Keynote Lecture

□ **Anatole Lécuyer**

Inria Rennes/IRISA, Hybrid Research Team
France

Brief Bio

Anatole Lécuyer is senior researcher and head of Hybrid team at Inria (Rennes, France), the French National Institute for Research in Computer Science and Control, that he joined in 2002. His main research interests are in the field of Virtual Reality, and more specifically on 3D User Interfaces, Haptic Feedback, 3D Visual Displays, and Brain-Computer Interfaces (BCI). He has been involved often as coordinator or principal investigator in various National or International research projects such as in OpenViBE software for Brain-Computer Interfaces, French ANR projects “OpenViBE1” (05-09) and “OpenViBE2” (09-12) on Brain-Computer Interfaces and Virtual reality, European Strep project “NIW” (08-11) on Augmented Walking, and the European Network of Excellence “INTUITION” (05-08) on Virtual Reality. He regularly serves as expert in Virtual Reality and BCI for public bodies such as European Commission (EC) or French National Research Agency (ANR). He is involved in program committees of major conferences of his field (IEEE VR, IEEE 3DUI, Eurohaptics, Eurographics, etc) and was notably program co-chair of IEEE VR 2015, and IEEE 3DUI 2013. He is an associate editor of Frontiers in Virtual Environments and Presence, and formerly of ACM Transactions on Applied Perception (ACM TAP) and International Journal of Human-Computer Studies (IJHCS).

nesh has received over \$4 million in research funds over the past 12 years in research funding. He has published over 400 papers and authored 3 books, and has been cited about 4400 times.

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He is Associate editor for IEEE Transactions for neural systems and rehabilitation engineering.

Abstract

There has been significant progress in medical technology that provides early stage and detailed diagnosis of many diseases. This has enhanced the longevity and quality of life and we are now living longer and healthier, and significantly more independent. We are also able to perform relevant functional activities for significant period. However, many of these diagnostics can be performed only in major hospitals and require significant infrastructure such as qualified personnel, buildings, and electricity. This greatly limits the benefits of the technologies to be located in large urban centres.

Dinesh has been working towards changing the above paradigm and works for the development of diagnostic devices that are suitable for being used in remote regions by untrained healthcare personnel. Such devices provide automation of recording and analysis of the data, thereby do not require large buildings, and are suitable for the target audience. The success of such diagnostic devices is based on the development of advanced image and signal processing techniques that makes these devices noise tolerant and provide good quality diagnostics without high quality infrastructure.

Keynote Lecture

□ **Maximiliano Romero**
Università luav di Venezia
Italy

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