IEEE BHI 21 Judging Panel

Best Paper Awards

Daniela Giordano
University of Catania, Italy

Elliot Sloane
Villanova University, USA

Maria Fernanda Cabrera
Technical University of Madrid, Spain

Best Poster Awards

Paolo De Carvalho
University of Coimbra, Portugal

Misha Pavel
Northeastern Univrsity, USA

IEEE BHI 2021 Best Poster Award

3rd Prize

Dynamic patterns of change in mental health following breast cancer diagnosis: A trajectory-based unsupervised clustering approach

Eugenia Mylona (Unit of Medical Technology and Intelligent Information Systems, University of Ioannina & FORTH-IMBB, Greece); Konstadina Kourou (Institute of Molecular Biology and Biotechnology, FORTH-IMBB, Greece); Georgios C. Manikis (Foundation for Research and Technology, Greece); Evangelos Karademas (University of Crete, Greece); Panagiotis Simos (School of Medicine, University of Crete, Greece); Dimitris Fotiadis (Institute of Molecular Biology and Biotechnology, FORTH, Greece & University of Ioannina, Greece)

IEEE BHI 2021 Best Poster Award

2nd Prize

Seizure detection using human intracranial electrophysiology via information theoretic methods

Lisa Yamada, Tomiko Oskotsky and Paul Nuyujukian (Stanford University, USA)

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IEEE BHI 2021 Best Poster Award

1st Prize

A Study on Potential Frequency Domain Indicators for STEMI Diagnosis Using Ultra-Short-Term ECG Signals

Ting Xiang and Nan Ji (City University of Hong Kong, Hong Kong); Yuanting Zhang (Hong Kong Centre for Cerebro-Cardiovascular Health Engineering (COCHE), Hong Kong)

IEEE BHI 2021 Best Paper Award

3rd Prize

Transcutaneous Cervical Vagus Nerve Stimulation Lengthens Exhalation in the Context of Traumatic Stress

Authors: **Asim H Gazi; Srirakshaa Sundararaj; Anna Harrison; Nil Gurel; Matthew Wittbrodt; Amit J Shah; Viola Vaccarino; Douglas Bremner; Omer T Inan**

IEEE BHI 2021 Best Paper Award

2nd Prize

Utility of High-Throughput Imaging Mass Cytometry for Cancer Research: A feasibility study

Authors: **Sindhura Thirumal; Amoon Jamzad; Tiziana Cotechini; Charles T. Hindmarch; Céline Hardy; Charles Graham; David Berman; Robert Siemens; Parvin Mousavi**

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IEEE BHI 2021 Best Paper Award

1st Prize

HistoTransfer: Understanding Transfer Learning for Histopathology

Authors: **Yash Sharma; Lubaina Ehsan; Sana Syed; Donald Brown**

IEEE BSN 21 Judging Panel

Best Paper Awards

Karl Friedl
US Army Res Inst of Environ Med, USA

Carmen Poon
Chinese University of Hong Kong

Ye Li
Shenzhen Inst Advanced Tech, China

Best Poster Awards

Federico Parisi
Harvard Medical School, USA

Valeria De Luca
Novartis, Switzerland

Reed Hoyt
US Army Res Inst of Environ Med, USA

IEEE BSN 2021 Best Poster Award

3rd Prize

Oil membrane protected sensor – a key breakthrough for continuous biosensing

Yuchan Yuan, Madeline DeBrosse, and Jason Heikenfeld
University of Cincinnati, USA

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IEEE BSN 2021 Best Poster Award

2nd Prize

Classification of postures with clothing-mounted wearable sensors

Udeni Jayasinghe, Balazs Janko, William S. Harwin, and Faustina Hwang
University of Reading, Great Britain

IEEE BSN 2021 Best Poster Award

1ˢᵗ Prize

A pilot study using covert visuospatial attention as an EEG-based brain computer interface to enhance AR interaction

Nataliya Kosmyna
MIT Media Lab, Boston, USA

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IEEE BSN 2021 Best Paper Award

3rd Prize

Identifying causal relationships in time-series data from a pair of wearable sensors

D.K. Arvind, S. Maiya, and P. Andreu Sedeno
Centre for Speckled Computing, University of Edinburgh, Scotland

IEEE BSN 2021 Best Paper Award

2nd Prize

Wireless respiration monitoring using a flexible sensor and bistable circuit

Zhipeng Li, Ze Xiong, Chenhui Li, and John S. Ho
National University of Singapore, Singapore

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IEEE BSN 2021 Best Paper Award

1st Prize

Artificial ear – a wearable device for the hearing impaired
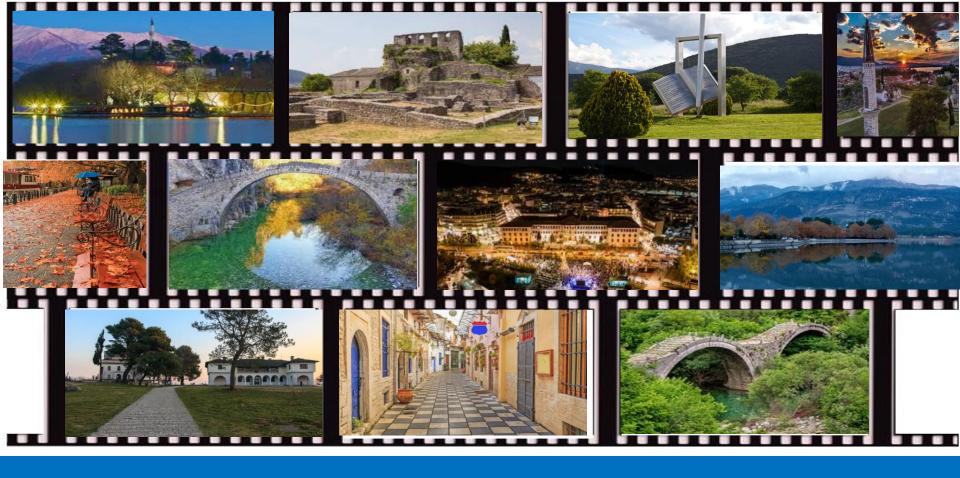
Antonia Pavilidou and Benny Lo
Imperial College, London, Great Britain

Ioannina, Greece, October 2022