BHI & BSN 2018

Workshop/Tutorial title:	Medical Data Sharing and Harmonisation
Organizers	**Themis Exarchos, Dimitrios I. Fotiadis** Unit of Medical Technology and Intelligent Information Systems, Dept. of Materials Science and Engineering, University of Ioannina
Short description	This workshop will present new trends on longitudinal cohort harmonization, while it will discuss the significant challenges occurring when managing and harmonizing large amounts of data from different sources. Ethical, legal and related restrictions associated with sharing and pooling individual-level information will be also discussed.
Contents	Current techniques, ranging from data standardization models to advanced ontology and semantic interlinking technologies, enabling the creation of links among diverse datasets, will be presented. Several case studies will be presented
CVs of the organizers	Themis Exarchos is a Computer and Informatics Engineer, with a PhD in Medical Informatics related to Clinical Decision Support Systems. Dimitrios I. Fotiadis is a Professor of Biomedical Engineering in the University of Ioannina. He is the Editor-in-Chief of the IEEE JBHI