



# BHI-2016 International Conference on Biomedical and Health Informatics



*"Integrative informatics for precision and preventive medicine"*

**Las Vegas 24th-27th Feb 2016**

## CALL FOR PAPERS

**Paper Submission Deadline**  
(1-pager)  
**Feb. 1st, 2016 (Monday)**

**Notification of Acceptance**  
(1-pager)  
**Feb. 5th, 2016 (Friday)**

**Camera-Ready Final Submission**  
(1-pager and 4-pager)  
**Feb. 8th, 2016 (Monday)**

The IEEE International Conference on Biomedical and Health Informatics (BHI) is a special topic conference of IEEE Engineering in Medicine and Biology Society (IEEE-EMBS). The main theme of the BHI2016 is the "Integrative informatics for precision and preventive medicine." Advancing health informatics has been identified as a grand challenge for engineering in the 21st century by the National Academy of Engineering. Maintaining and improving human health will require integrative and novel informatics solutions to better translate discovery into clinics, re-engineer care practices, and integrate big data of various health networks.

The BHI2016 will provide a unique forum to showcase enabling technologies of computing, devices, imaging, sensors, and systems that optimize the acquisition, transmission, processing, storage, retrieval, visualization, and analysis. It will share how integrative BHI informatics solutions can be used in novel applications to improve human health, and how the deployment of integrated bioinformatics, m-Health, e-Health, and tele-Health with Enterprise IT can enable precision and preventive medicine.

BHI'2016 welcomes original submissions that have not been published or under review by researchers, clinicians, and industrial partners from the biomedical, life sciences, medical, and industrial communities. Examples of relevant topics include, but are not limited to the following few tracks:

### Sensor Informatics Biomedical Imaging Informatics Foundation of BHI

- Big data analytics for health care
- Wearable, implantable devices, printable/flexible bioelectronics and 3D printing
- Body sensor networks
- Context awareness, multi-sensor data fusion
- Data inference, mining, and trend analysis
- Quality of service, trust, security, and light-weight communication protocols
- Sensor-based mHealth App
- Medical image processing and visualization
- Content-based image retrieval
- Teleradiology
- Augmented reality
- Cognitive computing for healthcare delivery and disease management
- Data breach prevention and security
- E-commerce solutions for healthcare

### Bioinformatics for Precision Medicine Clinical Informatics Behavior and Health Informatics

- Telehealth and Telemedicine
- Health data acquisition, transmission, management and visualization
- Information technologies for healthcare delivery and management
- Healthcare communication networks
- Knowledge discovery and decision support
- Translational bioinformatics
- Outcomes research applications
- Public health management solutions
- Informatics for chronic disease management
- Formalism for healthcare modeling and informatics solutions
- Platforms/solutions for precision medicine
- Healthcare modeling and simulation
- Algorithms for Natural language processing and clinical pattern recognitions
- Health information systems and convergence of health

## Submitted manuscripts should use IEEE template:

(<http://embs.papercept.net/conferences/support/support.php>). The authors of selected papers will be invited to adapt their papers for being published in a special issue of IEEE Journal of Biomedical and Health Informatics (J-BHI).

### BHI'2016 Conference Co-Chairs

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UCSF



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NIH CSR



**Valerie Florance**, PhD  
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**Wendy J. Nilsen**, PhD  
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**Andreas Skouloudis**, PhD  
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