

# IEEE Life Sciences Conference



**“Personalized Healthcare & Wearables”**



**Sydney, Australia 13-15 December, 2017**

**The first IEEE Life Sciences Conference (LSC) will be held in Sydney, Australia, 13-15 December 2017.** The overall theme of the conference is “Personalized Healthcare & Wearables”. The IEEE Life Sciences Technical Community (LSTC), which is supported by multiple IEEE member societies, is the sponsor of the conference. As such, the conference will cover diverse topics within the theme.

LSC 2017 will include tutorials and a scientific program composed of plenary talks, invited sessions, and poster presentations of peer-reviewed papers. In addition, there will be a host of special events, including a Standards Track, an IEEE Women in Engineering event, a High School Competition, an e-textile style fashion show, and an IBM Big Data/Watson event in partnership with the IEEE Big Data Initiative. All are encouraged to submit papers containing original contributions to be considered for presentation at LSC 2017. Accepted 4-page regular papers will be published in the conference proceedings and included in IEEE Xplore. To communicate late scientific findings and to encourage attendance by a broader audience, LSC 2017 will provide additional presentation opportunities via a second track featuring posters. Topics include, but are not limited to:

- Smart devices and technologies
- Smart garments/textiles
- Wearable sensors
- Biosensor technologies
- Imaging technologies and processing
- Data preprocessing, cleansing, management, mining, and integration
- Biosignal processing
- Design methodologies and app development
- Biosensor-based mobile health apps
- Virtual reality (VR) in healthcare and medicine
- Brain-computer interfaces
- Point of Care devices and technologies
- Security and privacy
- Synthetic biology
- Medical control systems
- Big Data for healthcare
- Deep learning and pattern recognition
- Bioinformatics
- Rehabilitation and assistive technologies
- Biometrics
- IoT for healthcare
- Electronic medical records
- Energy harvesting/scavenging technology
- Wireless communication and networking
- Social implications of technology

## Schedule for 4-page Paper Submissions

Submission Due Date: **September 18, 2017**

Decision Notification Date: **October 5, 2017**

Final Paper Submission Date: **November 6, 2017**

## Schedule for 2-page Paper Submissions

Submission Due Date: **September 18, 2017**

Decision Notification Date: **October 5, 2017**

Final Paper Submission Date: **November 6, 2017**

**Visit the conference website at [lsc.ieee.org/2017](http://lsc.ieee.org/2017)**