

# IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS INDIN'16

18-21 JULY 2016, FUTUROSCOPE-POITIERS, FRANCE

Special Session on

**“Wireless Communication Techniques and Advanced Signal  
Processing Methods for Life Science Industry”**

**Organized by**

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## Call for Papers

Theme:

The life science industry does not only contains the clinical and hospital related industries, but it also includes the consumer health care industries. An average of 4.9 percents of the national GDP in North America is from the life science industry. More importantly, an advance of the life science technology can significantly save a lot of human lives. Conventional clinic and hospital communications are operated on the land line networks which are efficient for the desk based diagnosis and administrative works, but they are not portable for performing the operations. In fact, developing wireless communication based medical devices can significantly improve the portability for performing the operations. On the other hand, advanced signal processing techniques can significantly improve the accuracy of the diagnosis. This special session aims to collect high quality papers based on the wireless communication techniques and advanced signal processing methods for the life science industry.

Topics of interest include, but are not limited to:

- Clinical and hospital based applications
- Consumer health care applications
- Zigbee based life science applications
- Wifi based life science applications
- Bluetooth based life science applications
- Ultra wide band based life science applications
- Time frequency analysis for life science applications

Ultrasound based life science applications  
Imaging based life science applications  
Pattern recognition and diagnosis based life science applications