



**IEEE Life Sciences Conference**  
**Montreal, Quebec, Canada,**  
**28-30 October 2018**  
<http://lsc.ieee.org/2018/>



## Call for Papers

**The 2nd IEEE Life Sciences Conference (LSC) will be held in Montreal, Canada 28-30 October 2018.** 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 2018 will include tutorials and a scientific program composed of plenary talks, invited sessions, Lecture 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, a graduate students' competition, and other Initiatives to be announced shortly.

All are encouraged to submit papers containing original contributions to be considered for presentation at LSC 2018. 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:

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| 1. Smart medical devices and technologies              | 11. Rehabilitation and assistive technologies                    |
| 2. Wearable sensors and Smart garments/textiles        | 12. Deep learning and pattern recognition                        |
| 3. Biosensor technologies, mobile-health apps          | 13. Bioinformatics, and Biometrics                               |
| 4. Signal and image processing and technologies        | 14. Electronic medical records, and IoT for healthcare           |
| 5. Data preprocessing, compression and transmission    | 15. Brain-computer interfaces                                    |
| 6. Data mining, cleansing, management, and integration | 16. Wireless communication and networking                        |
| 7. Synthetic biology                                   | 17. Energy harvesting/scavenging technology                      |
| 8. Big Data for healthcare                             | 18. Medical control systems                                      |
| 9. Virtual reality (VR) in healthcare and medicine     | 19. Security and privacy, and Social implications of technology. |
| 10. Point of Care devices and technologies.            |  |

### Schedule for 2-page & 4-page Paper Submissions

Submission Period: April 16 – June 4, 2018  
 Notification of Acceptance/Rejection: August 20, 2018  
 Final Abstract/Paper Submissions: September 10, 2018

### Schedule for Special Session and Tutorial Proposals

Submission of Special session proposal: May 1, 2018  
 Submission of Tutorial proposal: May 14, 2018  
 Notification of Acceptance/Rejection: June 1, 2018

For any information, please visit the LSC'18 webpage: <http://lsc.ieee.org/2018/> | please contact General Co-Chairs: [mohamad.sawan@polymtl.ca](mailto:mohamad.sawan@polymtl.ca) or [carolyn.mcgregor@uoit.ca](mailto:carolyn.mcgregor@uoit.ca)