## Special Track (ST): Privacy, Security & Informed Consent in Healthcare

**Conference:** IEEE 33rd International Symposium of Computer-Based Medical Systems (CBMS)
Mayo Clinic, Rochester, MN, USA
June 22-24, 2020

This Special Track (ST) at IEEE CBMS 2020 invites contributions that address the issues of Privacy, Security and Informed Consent, in healthcare, particularly in the context of current regulations on Privacy in Healthcare, such as the European General Data Protection Regulations (GDPR).

Privacy, Security and Informed consent are particularly relevant in healthcare in the context of current interests in the valuable insights that can be inferred from the analysis of data generated and collected from a variety of devices and applications, and the implementation of the European General Data Protection Regulations (GDPR).

The personal data that are gathered, processed, analyzed and interpreted in healthcare are highly sensitive, directly impact an individual's life and can increase the risk to their right to privacy. Healthcare organizations and vendors are obliged to adopt privacy enhancing technologies that protect data to ensure their clients' privacy, and also allow data to be processed while keeping them meaningful, useful, and safe. Furthermore, data needs to be accessible for emergency situations and collaboration among healthcare staff.

This Special Track provides a platform for research that aims in particular, to address the privacy concerns when data analytics tasks are performed by untrusted third-party data processors. Submissions are invited on the following and related topics:

The design and development of cryptographic tools for privacy protection
• Privacy preservation in Machine Learning
• Usability studies of privacy protection in clinical settings
• Obtaining patient's informed consent for data processing
• Utilizing technology to validate a patient's informed consent
• Methods of appraising patients of foreseeable risks
• Privacy and consent in Urgent and Emergency healthcare

**ST Organizers**

Bridget Kane, Associate Professor in Information Systems at Karlstad University Sweden with special interest in e-health, health information, medical teamwork, computer-support for collaborative work (CSCW) and human computer interaction (HCI).

Simone Fischer-Hübner, Professor in Computer Science at Karlstad University Sweden, with special interest, and extensive experience, in Privacy and Security research.

John Sören Petterson, Professor in Information Systems at Karlstad University Sweden, with special interest in Privacy & Security research, and with special expertise as well as extensive experience in human-computer interaction issues.

## ST Program Committee

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| Ala Sarah Alaqra | Karlstad University, Sweden |
| Orhan Ermis̗ | EURECOM, France |
| Simone Fischer-Hübner | Karlstad University, Sweden |
| Fasih Haider | University of Edinburgh, UK |
| Leonardo Iwaya | University of Adelaide, Australia |
| Bridget Kane | Karlstad University, Sweden |
| Saturnino Luz | University of Edinburgh, UK |
| John Sören Petterson | Karlstad University, Sweden |
| Melek Önen | EURECOM, France |

## Deadlines

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| Paper submission: | Feb 29, 2020 |
| Notification: | Mar 30, 2020 |
| Camera-ready: | Apr 15, 2020 |
| Registration: | Apr 22, 2020 |