

e-Health Technical Committee NewsLetter

April 2021

On behalf of the e-Health Technical Committee (TC) of the IEEE Communications Society (ComSoc), we wish all our members a very instructive reading of this letter.

Members of the e-Health community are invited to contact the author for further information or collaborations.

We also welcome all our members to share their research activities and field experiences through this open newsletter and to open up new opportunities for discussions and collaborations.

Editor: Dr. Nada Philip (Kingston University London, UK)

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Call for Papers

EMBC - 43rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society

New Dates: October 31 – November 4, 2021, Virtual

The IEEE Engineering in Medicine and Biology Society is pleased to announce the 43rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society to be virtually, October 31-November 4, 2021 . The theme of the conference is “Changing Global Health Care in the Twenty-First Century”. As the world’s largest international biomedical engineering conference. A broad array of scientific tracks will cover diverse topics of cutting edge research and innovation in biomedical engineering, healthcare technology R&D, translational clinical research, technology transfer and entrepreneurship, and biomedical engineering education. In addition to the high-profile keynotes, the conference program will feature mini- symposia, Workshops, Special sessions, oral and poster sessions, sessions for students and young professionals, sessions for clinicians and entrepreneurs, and exhibits from vendors and universities.

Important Dates

Full papers

Submission Opens July 27, 2020

Submission deadline May 3, 2021 (final extension)

Accept/reject notify July 16, 2021

Final Submission deadline July 30, 2021

Further details on the call can be found here: <https://embc.embs.org/2021/>

Global Connected Healthcare Cybersecurity Virtual Workshop Series 24 February 2021 - 17 November 2021

Presented by IEEE SA and [Northeast Big Data Innovation Hub](#)

The Global Connected Healthcare Cybersecurity Virtual 2021 Workshop Series is presented by the IEEE SA, IEEE P2933™ Working Group, and the Northeast Big Data Innovation Hub headquartered at Columbia University. We will convene a global community of leaders in healthcare, technology, and policy to develop mutual understanding and recommendations for standards to improve connected healthcare cybersecurity. The workshop series will delve into challenges and opportunities in connected healthcare security, privacy, ethics, trust and identity, including data and device validation and interoperability. Resulting recommendations will include an Integrated Systems Design approach, leveraging the TIPSS framework being developed by IEEE working groups to enhance Trust, Identity, Privacy, Protection, Safety and Security of clinical IoT and connected healthcare systems globally. Learnings will include:

- Understanding the risks and threat vectors in connected healthcare and IoT systems
- Advanced technologies which may be leveraged to address the risks, such as artificial intelligence, machine learning, and hardware/firmware/software security advances
- Standards efforts and related technology and policy opportunities to address the risks

Who Should Participate

Healthcare, technology and policy experts and advocates including connected medical device hardware and software manufacturers, clinical engineers, IT organizations, security engineers, hardware, software and service developers and users for connected healthcare, public and private health insurance payors, healthcare delivery organizations, providers, patient advocates, regulatory, academia, research, technology ethicists, data scientists, and other relevant stakeholders.

How to Participate

The workshops will be presented LIVE on the scheduled broadcast dates and times. We invite participants to join the live sessions for maximum interactive and learning opportunities. However we will make the sessions available on-demand up to 24 hours after the live broadcast.

Webinars schedule:

[Workshop 1: 24 February 2021](#)

Global Connected Healthcare Cybersecurity Risks and Roadmap

[Workshop 2: 28 April 2021](#)

Privacy, Ethics & Trust in Connected Healthcare

Workshop 3: 16 June 2021

Data & Device Identity, Validation & Interoperability in Connected Healthcare

Workshop 4: 22 September 2021

Connected Healthcare Integrated Systems Design

Workshop 5: 17 November 2021

Connected Healthcare Technology and Policy Considerations

Further details on the call can be found here: <https://standards.ieee.org/practices/healthcare-life-sciences/ghc.html>