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| The International Teleocmmunication Union - Connecting the World. | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 02 March 2022 | |
| **Ref:** | | **TSB Circular 383** | | **To:**  - Administrations of Member States of the Union;  - ITU-T Sector Members;  - ITU-T Associates;  - ITU Academia | |
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| **Subject:** | | **ITU Journal Webinar Series - online** | | | |

Dear Sir/Madam,

1 The ITU Journal is organizing a series of webinars to present insights and forward-looking research on future and evolving technologies.

2 The first six webinars of the series will feature highly cited researchers and will address the following topics:

* “[**Machine learning at the wireless edge**](https://www.itu.int/en/journal/j-fet/webinars/20220316/Pages/default.aspx)” on 16 March 2022 from 11:00 to 12:30 EDT / from 16:00 to 17:30 CET, presented by **Prof. H. Vincent Poor**, Princeton University, USA.

This webinar will present an overview of some results on distributed learning at the edges of wireless networks, in which machine learning algorithms interact with the physical limitations of the wireless medium.

* “[**Edge AI networks: Challenges and opportunities**](https://www.itu.int/en/journal/j-fet/webinars/20220330/Pages/default.aspx)” on 30 March 2022 from 10:00 to 11:30 EDT / from 16:00 to 17:30 CEST, presented by **Prof. Merouane Debbah**, CentraleSupélec and TII, France and UAE.

This webinar will discuss the challenges and opportunities offered by edge AI networks to meet the demand of a new breed of intelligent devices and high-stake applications.

* “[**Information and communication theory with biochemical and molecular components for biological sensing and control**](https://www.itu.int/en/journal/j-fet/webinars/20220420/Pages/default.aspx)” on 20 April 2022 from 10:00 to 11:30 EDT /from 16:00 to 17:30 CEST, presented by **Prof. Massimiliano Pierobon**, Molecular and Biochemical Telecommunications (MBiTe) Lab, University of Nebraska-Lincoln, USA.

This webinar will discuss how information in systems that include living organisms, both natural and engineered, can be measured and its propagation can be modeled through the lenses of information and communication theory, with highlights from systems and synthetic biology, electrochemistry, and bioinformatics.

* “[**6G and the metaverse will power a holographic society**](https://www.itu.int/en/journal/j-fet/webinars/20220511/Pages/default.aspx)” on 11 May 2022 from 10:00 to 11:30 EDT / from 16:00 to 17:30 CEST, presented by **Dr. Mischa Dohler**, Ericsson Inc., USA.

This webinar will discuss the emergence of holographic capabilities and the networking features needed to enable entirely novel forms of human engagements. It will also discuss the relation to various branches of the metaverse, and the general impact such technology will have on the future of work and social life.

* “[**Semantic communications: Transmitting beyond bits**](https://www.itu.int/en/journal/j-fet/webinars/20220601/Pages/default.aspx)” on 1 June 2022 from 10:00 to 11:30 EDT / from 16:00 to 17:30 CEST, presented by **Prof. Zhijin Qin**, Queen Mary University of London, UK.

This webinar will introduce the concept of semantic communications and will present the recent work and related potential challenges on deep learning enabled semantic communications.

* “[**Ultrabroadband communication and networking solutions to unleash the Terahertz Band**](https://www.itu.int/en/journal/j-fet/webinars/20220622/Pages/default.aspx)” on 22 June 2022 from 10:00 to 11:30 EDT / from 16:00 to 17:30 CEST, presented by **Prof. Josep Miquel Jornet**, Northeastern University, USA.

This webinar will present the state of the art and open challenges at the physical, link and network layers of Terahertz (THz) communication systems. It will also provide a glimpse at state-of-the-art experimental platforms for THz communication networks.

3 Participation in these webinars is open to ITU Member States, Sector Members, Associates and Academic Institutions and to any individual from a country that is a member of ITU. This includes individuals who are also members of international, regional and national organizations. Participation at the webinars is free of charge.

4 All relevant information pertaining to the webinars (speakers, registration links, remote connection details) will be made available on the relevant webpages indicated above and on the main [**ITU Journal Webinar Series**](https://www.itu.int/en/journal/j-fet/webinars/Pages/default.aspx) page.

These webpages will be regularly updated as new or modified information becomes available. Participants are recommended to check periodically the episode webpage for new updates.

5All webinars will be held in English.

6 **Online registration is mandatory for all participants to each event**. More information on registration will be available on each event website.

Yours faithfully,

Chaesub Lee  
Director of the Telecommunication  
Standardization Bureau