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| The International Teleocmmunication Union - Connecting the World. | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 5 October 2022 | |
| **Ref:** | | **TSB Circular 27** | | **To:**  - Administrations of Member States of the Union;  - ITU-T Sector Members;  - ITU-T Associates;  - ITU Academia | |
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| **E-mail:** | | [alessia.magliarditi@itu.int](mailto:alessia.magliarditi@itu.int) | | **Copy to:**  - The Chairmen and Vice-Chairmen of Study Groups;  - The Director of the Telecommunication Development Bureau;  - The Director of the Radiocommunication Bureau | |
| **Subject:** | | **ITU Journal Webinar Series  (Fully Virtual, 13 September 2022 to 22 November 2022)** | | | |

Dear Sir/Madam,

1 The [ITU Journal](https://www.itu.int/en/journal/j-fet/Pages/default.aspx) continues in the organisation of the [webinar series](https://www.itu.int/en/journal/j-fet/webinars/Pages/default.aspx), launched on 16 March 2022. These webinars aim at presenting insights and forward-looking research on future and evolving technologies, featuring highly cited researchers.

2 The first webinar of the series, "[**A peek into the deep convergence towards 6G**](https://www.itu.int/en/journal/j-fet/webinars/20220913/Pages/default.aspx)", was presented by **Dr. Chih-Lin I**, China Mobile Research Institute, China, on 13 September 2022 from 16h00 to 17h30 CEST/ from 10h00 to 11h30 EDT. This webinar discussed the transformational journey of Information Technology (IT), Communication Technology (CT), and Data Technology (DT) deep convergence, focusing specifically on its impacts on the wireless network.

3 The next four webinars will address the following topics:

* "[**The future of healthcare in the metaverse**](https://www.itu.int/en/journal/j-fet/webinars/20220927/Pages/default.aspx)", on 18 October 2022 from 16h00 to 17h30 CEST/ from 10h00 to 11h30 EDT, presented by **Prof. Mihaela van der Schaar**, University of Cambridge, UK.

This webinar will present a vision of how the metaverse will transform healthcare, by applying machine learning and artificial intelligence on data from a variety of devices and sensors. It will also outline a vision of how national and international healthcare systems can interact and be transformed and how clinical trials can be conducted and augmented in the metaverse.

* "[**Wireless networking, security, and sensing above 100 GHz**](https://www.itu.int/en/journal/j-fet/webinars/20221011/Pages/default.aspx)", on 25 October 2022 from 16h00 to 17h30 CEST/ from 10h00 to 11h30 EDT, presented by **Prof. Edward W. Knightly**, Rice University, USA.

This webinar will present emerging transmitter and receiver architectures that can realize high‑frequency communication and sensing. It will address the key elements needed to realize highly directional, high data rate links that are robust to client and environmental mobility, and also describe how new sensing capabilities can simultaneously provide millimeter scale resolution without traditional array processing methods used in lower frequency bands. Lastly, physical layer security will be addressed.

* "[**AI-EDGE: Designing future XG networks and distributed intelligence**](https://www.itu.int/en/journal/j-fet/webinars/20221101/Pages/default.aspx)", on 8 November 2022 from 16h00 to 17h30 CET/ from 10h00 to 11h30 EST, presented by **Prof. Ness B. Shroff**, The Ohio State University, USA.

This webinar will present the Ohio State University AI-EDGE Institute, identifying a set of interesting research directions. Further, it will also describe, through a case study involving caching, why the edge is so different from the core of the network, and how machine learning tools and techniques can be developed to improve performance.

* "[**Deviation from the standard - Toward opening up 5G telecommunications**](https://www.itu.int/en/journal/j-fet/webinars/20221122/Pages/default.aspx)", on 22 November 2022 from 16h00 to 17h30 CET/ from 10h00 to 11h30 EST, presented by **Prof. Muriel Médard**, Massachusetts Institute of Technology, USA.

This webinar will present the work on "Guessing Random Additive Noise Decoding," or GRAND, developed by Duffy, Médard and their research groups. GRAND enables a new exploration of codes, in and of themselves, independently of tailored decoders, over a rich family of code designs, including random ones.

4 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.

5 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.

6All webinars will be held in English.

7 **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