



5G NETWORKS – AND BEYOND: TECHNOLOGIES FOR A NEW APPLICATION ERA

January 28th 2021, Online event, WIC Midwintermeeting 2021, <http://www.w-i-c.org/>

Organizer: Liesbet Van der Perre, KU Leuven, Liesbet.Vanderperre@kuleuven.be

WIC chair: Jos Weber, TU Delft , The Netherlands, J.H.Weber@tudelft.nl

13.50-14.00 Welcome (WIC chair and workshop organizer)

14.00-14.20 5G introduction: what's new in technologies and for applications?

Prof. Sofie Pollin, KU Leuven, Belgium

14.20-14.50 Massive MIMO: key technology for 5G and beyond

Prof. Erik G. Larsson, Linköping University, Sweden

14.50-15.20 Polar codes: what and why?

Prof. Alexios Balatsoukas-Stimming, TU Eindhoven, The Netherlands

15.20-15.30 break

15.30.-16.00 Mmwave for 5G: what (not) to expect?

Prof. Joerg Widmer, IMDEA networks, Spain

16.00-16.30 5G: opportunities and challenges from an operator perspective

Ir. Arnaud Brehonnet, Proximus, Belgium

16.30-17.00 Future applications and use cases, especially beyond 5G and verticals.

Dr. Mikke A. Uusitalo, Nokia Bell Labs, Finland

17.00-17.10 Close



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