

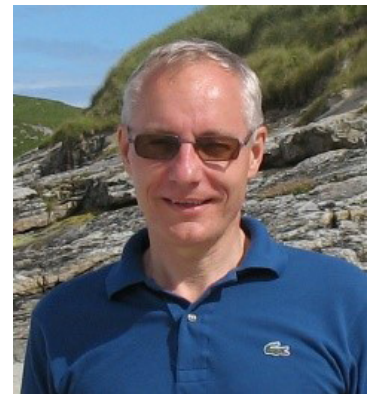
# AU ENGINEERING DISTINGUISHED LECTURES:

## From Bluetooth . . . to 5G

Tuesday 12 March 2019

**The Department of Engineering is delighted to host a distinguished lecture by  
Professor Sven Mattisson, Ericsson Research, Lund (Sweden)**

- Title:** From Bluetooth... to 5G
- Date:** Tuesday 12 March, 2019 at 10:45-11.45
- Place:** Aarhus University, Building 5125  
Finlandsgade 22, Aarhus N, Room 140
- Admission** Admission is free, but please register at:  
<https://events.au.dk/wirelesstransceivers/sign-up.html>



Professor Sven Mattisson,  
Ericsson Research, Lund (Sweden)

### Abstract

The Internet of Everything, or the Networked Society, will require a diverse set of communications means and in particular wireless links with high speed as well as low-rate and low-power radios. The initial development of Bluetooth also addressed the latter and an overview of the Bluetooth radio design ideas is given. Fundamental limits of radio performance parameters, e.g. power consumption and dynamic range, and how they relate to circuit design are reviewed. The presentation closes with an overview of what 5G will bring in terms of requirements and possibilities.

### Short Biography

Sven Mattisson received his PhD in Applied Micro Electronics from Lund University in 1986. Presently he is with Ericsson Research in Lund, where he holds a position as senior expert in analog system design, and an adjunct professor at Lund University. Dr. Mattisson is a co-inventor of Bluetooth and has been serving as technical program committee member for the International Solid-State Circuits Conference and the European Solid-State Circuits Conference. Presently he is working on 5G radio circuits at Ericsson Research.

If you have any questions, please contact Prof. Domenico Zito, [domenico.zito@eng.au.dk](mailto:domenico.zito@eng.au.dk).