

5G



**THE MATURITY OF TECHNOLOGY
AND
MAKING IT YOUR BUSINESS SUCCESS**

A WEBINAR EVENT !



NECC
North European
Cybersecurity Cluster

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5G

**CYBERSECURITY WEBINAR
DECEMBER 15, 2021
13:00 - 15:30 CET**

5G will revolutionize digitalization, expecting business value of 11.2 trillion euros in the next decade! But is 5G now ready for business? Is it available for the real business applications? Hundreds of serious technology vendors are now developing 5G technology for all types of industrial use cases. The most applications are still the first versions of the kind and technology is still under significant development phase, new regulations up to come, continuous development and testing must be carried out by the end-users.

Is 5G reliable, stable, secured and can it be trusted? How about legislation, is it mature enough? How about the global trade barriers? Which manufactures can be trusted? These are only a few questions connected when we mentioned 5G.

**Join us in this webinar as we strike into the real facts of 5G.
Let us discuss on how to choose the best way to engage 5G into
business and where the maturity and security of the technology
stands for.**

Do not miss this opportunity!

- 13:00 Foreword by Juha Remes / NECC Chairman of the board**
- 13:15 Keynote: 5G technology evolution to critical communications**
Harri Holma, Fellow, Nokia Technology Office
- Exposure of 5G status globally, 5G use cases for enterprises and critical communications today, 5G technology evolution to 5G-Advanced and status of 5G in Finland.
- 13:45 Keynote: Secure 5G – Securing the first ever truly open cellular technology**
Pramod Nair, Technical Solutions Architect, Cisco
- The session will start with a recap of the evolution of cellular networks and reasons why 5G & Multi Access Edge Compute (MEC) is driving the evolution of Disaggregated and Distributed Deployment model in the telecom networks. It will investigate the applications and network services moving towards the edge of the network. It will then address the 5G specific threat surfaces and its mitigation techniques. Last but not the least the session will provide a vendor agnostic view of the 5G technology, its primary use cases and required security controls to protect the network.
- 14:15 Keynote Regulation, standards, innovation and trade**
Heidi Lund, Senior Adviser, National Board of Trade Sweden
- Functioning trade without unnecessary barriers is highly dependent on timely and workable regulatory solutions. New TradeTech challenge traditional regulatory approaches as it requires multiple regulatory policies and objectives to be addressed simultaneously. International trade is further increasingly affected by geopolitical tensions and “standards wars” where security is often used as tool for reasoning to accommodate regulatory choices and decisions. What is the role and contribution of trade policy?
- 14:45 Keynote: 5G built for securing any industry**
Patrik Teppo, Senior Expert Security architecture, Ericsson
- 15:10 Wrap up and Q&A session**
- 15:30 Webinar ends**

OUR KEY SPEAKERS



Harri Holma, Fellow, Nokia Technology Office

Harri Holma joined Nokia Research Center in 1994 and received his M.Sc. from Helsinki University of Technology 1995. He has been with Nokia since 1994 and has been located both in Finland and in USA during that time.

Harri Holma is currently working as Fellow and Advisor in Technology Office in Nokia with special interest on radio technologies and mobile networks. He has completed his PhD at Helsinki University of Technology 2003. Dr. Holma has edited the books "WCDMA for UMTS", "HSDPA/HSUPA for UMTS", "LTE for UMTS", "Voice over LTE", "LTE Advanced", "HSPA+ Evolution", "LTE Small Cell Optimization" and "5G Technology", and contributed to a number of other [books in the radio communication area](#).



Pramod Nair

Pramod is a 20-year Telecoms veteran with 8 years under his belt at Cisco. As a Security expert in the Service Provider Architecture team, Pramod delivers and executes on Cisco's plan for Security, specifically in Radio Networks, xHaul, Mobile Packet Core, Edge computing (MEC), Virtualisation and secure cloud native functions.

In recent years, Pramod has been laser-focused on all things 5G Security, providing consultation to service providers in EMEAR on enhancing their cross-domain security models to cater for 5G and evolving networks. Pramod holds a patent in fraud detection in telecom networks with published white papers on security topics. His book on 5G Security is being launched December this year.



Heidi Lund, Senior Adviser, National Board of Trade Sweden

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Patrik Teppo, Senior Expert Security architecture, Ericsson

Patrik join Ericsson 1995 and has be working with various roles in different technology areas from 2G to 5G and BSS aspects of these. The first 15 years in Sweden and moved to Finland 2010 Since 2010 Patrik has been working in the security are with tasks from audits via standardization to architectural aspects.

In his current role, Patrik is mainly an advisor for the different product and services organization on how to implement a secure architecture in all our offerings.