



# WinnComm-Europe

Wireless Innovation Forum European Summit on  
Wireless Communications Technologies

WIRELESS



FORUM™

15-16 May 2019 (Work Group meetings 13-14 May, 1/2 day Transceiver Tutorial 14 May)  
hosted by Fraunhofer ~ Berlin, Germany

# *WELCOME*



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**THALES**

# Program and Proceedings

Links to proceedings files have been sent to you. If you have not received them, see Stephanie Hamill. If you have a thumb drive, she will be happy to copy the zip folders to the drive.



## Twitter:

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## Wi-Fi: HRS Guest

- Wlan-Netz: FhG-Veranstaltung
- 0800fhg123S

# Summit Agenda

# Wednesday AM

08:00

Registration

09:00

**Summit Welcome and Keynote**  
**"5G - From Standardization to Deployment" Marco Steglich, *Fraunhofer***

10:00

**WinnForum SDS Projects Overview**  
**Eric Nicollet, *Thales***

10:30

Networking and Refreshments

11:00

**WinnForum SDS Projects Deep Dive**  
- SCA 4.1 Certification Criteria, Procedures, Plan, *NordiaSoft*  
- Transceiver Facility PIM and PSMs, **Eric Nicollet, *Thales***  
- Harmonized Timing Service PIM, **Elodie Leveugle, *Thales***

12:15

Networking Lunch and Exhibition

# Wednesday PM

## Software Defined Systems and the SCA

**An Approach for solving Real-time and Synchronization Issues in heterogeneous Multi-Processor Software Defined Systems**

Peter Troll (Rohde-Schwarz, Germany)

**CERTIF: Conformance tests on software defined radio platforms**

Olivier Kirsch (KEREVAL, France)

**Management of SCA-based Radio Systems with the PlatformManager Component**

13:30

Shan Wang (National University of Defense Technology & University of Montreal, P.R. China); Fanglin Gu (National University of Defense Technology, P.R. China); Jian Wang (University of Calgary, P.R. China)

**A Comparative Study of Eight Transfer Mechanisms with FM3TR**

Jin Lian (Hunan University, P.R. China); Qi Tang (NUDT, P.R. China); Li Zhou (National University of Defense Technology, P.R. China); Shan Wang (National University of Defense Technology & University of Montreal, P.R. China); Jun Xiong (National University of Defense Technology, P.R. China); Lin Wang (Hunan University, P.R. China); Jibo Wei (National University of Defense Technology, P.R. China)

15:25

Networking and Refreshments

## Networking Aspects of Software Defined Systems

**From laboratory to the field: An open source Software Defined Radio project coupled with native Linux driver framework**

Xianjun Jiao (Ghent University - imec, IDLab, Belgium); Wei Liu (University Ghent - imec, Belgium); Muhammad Aslam (Ghent University - imec, IDLab, Belgium); Felipe Augusto Pereira de Figueiredo (Ghent University, Belgium); Ingrid Moerman (Ghent University - imec, Belgium); Filip Louagie (Ghent University - imec, IDLab, Belgium)

15:50

**Simulation, test and reference facility for IP based heterogeneous communication networks** Gerald Ulbricht (Fraunhofer IIS, Germany); Christopher Laske (Fraunhofer Institute for Integrated Circuits, Germany)

**Hierarchical Orchestration of End-to-End Networks** Joao F. Santos (Trinity College Dublin & CONNECT/CTVR, Ireland); Jonathan van de Belt (Trinity College Dublin, Ireland); Luiz DaSilva (Trinity College & Trinity College Dublin, Ireland)

**Experimental Evaluation of LSPR Routing Protocol** Khalid Hussain Mohammadani and Kamran Ali Memon (Beijing University of Posts and Telecommunications, P.R. China); Safiullah Faizullah (Hewlett-Packard, USA); Arshad M. Shaikh (Isra University, Pakistan); Saleemullah Memon (Beijing University of Posts and Telecommunications, P.R. China); Asiya Siddiqui and Noor Ul Ain (Beijing University of Posts & Telecommunications, Beijing, P.R. China)

17:20

**Day 1 Closing Remarks**

**Elodie Leveugle, *Thales***



# Thursday AM

08:00

Registration

09:00

## Day 2 Welcome and Keynotes

Joint Keynote: "DEU/NLD Bilateral Program: Tactical Edge Networking (TEN)" Christian Peters, *BAAINBw* and Col Robert Miedema, *NLD MoD*

"System Concept of TEN by D-LBO" Timo Haas, *Blackned*

"The Radio System SVFuA as a Main Pillar of MoTaKo" **Boyd Buchin**, *Rohde & Schwarz*

10:35

Networking and Refreshments

11:00

## Multinational Programs and Initiatives

NATO Waveform Policy, Dr. Serdar Özen and Louis Bastos, *NCIA*

NATO and WinnF Policy, **Eric Nicollet**, *Thales*

FMN Tactical Edge Syndicate, LTC Dennis van de Braak, *NLD MoD*

NATO CWIX - FA Communications, *Christophe Barz, Fraunhofer*

12:30

Networking Lunch and Exhibition

# Thursday PM

## Multinational Programs and Initiatives (continued)

14:00

ESSOR Operational Capability, Christian Serra, *a4ESSOR*  
Perspective on SDR Standards/Waveform Management Review, Fabio Casalino, *Leonardo*

15:00

**Government and Industry Perspectives from NATO and PFP Nations**  
USA, Don Stephens, *JTNC*

15:20

Networking and Refreshments

15:40

**Government and Industry Perspectives from NATO and PFP Nations (continued)**  
France, Serge Debono, *DGA*  
Finland, Topi Tuukkanen, *Finnish MoD*  
Italy, Fabio Amadio, *Italy MoD*

16:40

**NATO Panel Discussion: NATO Waveform Policy - Dream or Reality?**  
Moderated by Elodie Leveugle, *Thales*

17:25

**Summit Closing Remarks**

# Today's Keynote

## "5G - From Standardization to Deployment"

**Marco Steglich**, *Fraunhofer*

Dipl.Verk.-Wirtsch. Marco Steglich is working as Business Development Manager for 5G in the Broadband and Broadcast Department at Fraunhofer IIS. After graduating from university in Dresden he worked for ten years as Consultant in the area of mobile and fixed communication for large enterprises before joining Fraunhofer IIS in 2017. Together with partners, both industrial and scientific, the Broadband and Broadcast department at Fraunhofer IIS is currently developing technologies and solutions for communication and positioning in 5G networks to bring the most recent developments into application.

