



# WinnComm-Europe

Wireless Innovation Forum European Summit on  
Wireless Communications Technologies



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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**Please complete our survey ~ One winner will be chosen at random to receive a gift from the WinnForum**

**<https://www.surveymonkey.com/r/WinnCommEurope2019>**

**(Link will be emailed with complete presentation package after event as well)**





# Join us in San Diego this November!

A promotional banner for the Wireless Innovation Forum WinnComm 2019. The banner has a brown header with the text 'WIRELESS INNOVATION FORUM™'. Below the header, on the left, is a brown box with 'WinnComm 2019' in large white letters, and below that, in smaller white text: 'Summit: 20-21 November', 'Group Meetings: 18-19 November', and 'San Diego, California'. To the right of this box are three images: a man in a dark shirt talking to a man in a light blue shirt, a night view of a modern building with lights, and a man in a blue shirt sitting in an audience. Below these images is a blue bar with white text: 'The Wireless Innovation Forum Summit on Wireless Communications Technologies: Connecting technical, business and regulatory leaders ~ Defining the future of radio communications'. At the bottom of the banner is a white bar with the text 'Call For Presentation Proposals' in large black letters.

**WIRELESS INNOVATION FORUM™**

**WinnComm 2019**

*Summit: 20-21 November  
Group Meetings: 18-19 November  
San Diego, California*

*The Wireless Innovation Forum Summit on Wireless Communications Technologies:  
Connecting technical, business and regulatory leaders ~ Defining the future of radio communications*

**Call For Presentation Proposals**

Visit <https://conference.wirelessinnovation.org> or <https://edas.info/26358>  
Presentation proposals due 10 July

Please note there will be an  
evacuation drill at 1pm.

Attendees need not do anything  
and can remain inside.  
It is only a drill.

# 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:

- Please use #WInnCommEurope to tweet about the event.

## Wi-Fi: HRS Guest

- Wlan-Netz: FhG-Veranstaltung
- 0800fhg123S



# Summit Agenda

# 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 Keynotes

**Joint Keynote: Christian Peters, *BAAINBw* and Col Robert Miedema, *NLD MoD***

**"DEU/NLD Bilateral Program: Tactical Edge Networking (TEN)"**  
***Thursday, 16 May 2019, 09:00***

**Christian Peters** was born on the 09th of October 1967 in Nienburg / Weser in Germany. After his studies as a communications engineer and two years of military service with the German Air Force he joined the German procurement organisation. For almost two decades he worked as naval procurement expert on all German surface combatants, in all positions ranging from system integrator up to project leader, including MoD.

In 2013 he changed to the Joint Planning Office in Berlin-Köpenik to initiate all the necessary procurement projects for the digitalization of land-based operations (D-LBO), including the definition of the operational requirements.

At the beginning of 2018 he returned to the procurement office (BAAINBw) at Koblenz in order to take the lead for the realisation of the procurement projects he initiated at the Joint Planning Office. In April 2019 he formally was appointed as Program Leader D-LBO TEN.

With the aim of achieving digital integration and economy of force D-LBO will merge with the Netherlands program FOXTROT into a combined program called TEN (Tactical Edge Networking). A MOU is to be signed by Ministers of Defence 1st of July this year.

# Today's Keynotes

## Joint Keynote: **Christian Peters, BAAINBw** and **Col Robert Miedema, NLD MoD**

"DEU/NLD Bilateral Program: Tactical Edge Networking (TEN)"  
*Thursday, 16 May 2019, 09:00*

**Robert Miedema** was born on the 20th of November 1965 in Zwijndrecht, a small town near Rotterdam in the Netherlands. After his college and military education he became an Army Signal Officer in 1991 and completed a wide variety of command and staff functions in the Netherlands and abroad.

Early 2018 he is selected program manager of one of the most challenging programs in the Netherlands: FOXTROT. A program realizing IT solutions in the mobile domain of the armed forces in support of information driven operations.

With the aim of achieving digital integration and economy of force FOXTROT will merge with the German program DLBO into a combined program called TEN (Tactical Edge Networking). A MOU is to be signed by Ministers of Defence 1<sup>st</sup> of July this year.



# Today's Keynotes

**Timo Haas, *Blackned***

*"System Concept of TEN by D-LBO"*

*Thursday, 16 May 2019, 09:20*

**Timo** is CTO and one of the founding partners of blackned GmbH - a systems integration and consulting company based in Heimertingen, Germany. The main activity of the company is consulting, development and improvement of operational wireless and wired communication infrastructure systems. Blackned is working as subcontractor for BAAlNBw I6.4 in the area of reference architecture.





# Today's Keynotes

**Boyd Buchin, *Rohde & Schwarz***

**"The Radio System SVFuA as a Main Pillar of MoTaKo"**  
**Thursday, 16 May 2019, 09:30**

Dr. Boyd Buchin joined the German Armed Forces in 1991, graduated from officer school in 1992, and received a diploma degree in informatics in 1996 and a doctoral degree in the field of computational linguistics in 1999. From 1999 to 2002, he was a company commander, and from 2002 to 2003, he worked as a specialist for IT strategy at the IT office of the German Armed Forces. In 2003, he joined the company Rohde & Schwarz. From 2005 to 2006, he led the preparatory study for the German SDR programme and from 2006 to 2010 headed the R&D laboratory for platforms and waveforms. From 2010 to 2014, he was head of technical sales for army communication systems in Germany and from 2014 to 2017 he was development principal in the technologies and studies department. Currently he is programme director for the German SDR programme.



# “Interoperability through Portability”

- NATO WF Policy - Dream or Reality?
  - open questions remaining after NCIA & WInnF briefings
- Interoperability beneficial also beyond air interface (waveform)
  - e.g. from CWIX: Radio-to-Router interoperability at Tactical Edge using heterogeneous radio systems
- Panelists: L. Bastos, S. Özen (NCIA)  
E. Nicollet (Thales)  
K. Dingman (Harris)  
C. Barz (FKIE)