Cryptography Workshop

13 September 2018, Brussels, Belgium

Everything Secret, Complete Insecurity?
Are today's policies matching modern cryptography and operational requirements?

PRELIMINARY PROGRAMME

08:00 – 09:00   **Registration Open**

08:55 – 09:00   **Welcome and Conference Opening**
- Major General Erich Staudacher, DEU AF (Ret.), General Manager, AFCEA Europe

Framework for New Cryptographic Capabilities in Defence and Security

09:00 – 09:15   **Opening Keynote**
- Dr. John Zangardi, CIO, Department of Homeland Security, USA (confirmed)

09:15 – 09:30   **Keynote**
Actual Status on Research for Cryptography
- Prof. Dr. Bart Preneel, COSIC of the Electrical Engineering Department of the Katholieke Universiteit Leuven (confirmed)

09:30 – 09:45   **Keynote**
"NATO perspective: cryptographic interoperability to ensure secure communications."
- MGEN. José L. Triguero de la Torre, Director C 3 Staff, NATO HQ (confirmed)

09:45 – 10:15   *NETWORKING COFFEE BREAK*

Challenges with the Operational Use of Encryption Today

10:15 – 11:15 **Panel Session 1 -** *Technological Challenges Today: Benefits and Disadvantages of Classical Crypto Technologies*
Moderator: Dr. Kai Martius, secunet (confirmed)
- BGEN. Vasil Sabinski, Director EUMS/Communication and Information Systems, European External Action Service (confirmed)
- Mr. Stefano Piermarocchi, NATO Allied Command Operation - Cyberspace Cryptographic Modernization and Transfomation (confirmed)
- Dr. Stavros Kousidis, Cryptographic Requirements Section, Federal Office for Information Security (BSI), Germany (confirmed)
- Mr. Gerard Elzinga, Head of Branch, Spectrum and C3 Infrastructure Branch, NATO C3 staff (confirmed)

11:15 – 12:15 **Panel Session 2 -** *Procedural Challenges Today: Do we have the Right Policies for Implementation?*
Moderator: Dr. Christoph Erdmann, Secusmart (confirmed)
- Mr. Jan Fanekrog, Cyber Security - Capability Development Planning NATO Communications and Information Agency (confirmed)
- Mr. Bas Dunnebier, Manager at the National Communication and Security Agency, The Netherlands (confirmed)
- Mr. Salvador Llopis, Cyber Defence Technology Officer, European Defence Agency (confirmed)
- Mr. Nicolas Dubois, Head of Sector, Information Security and EUCI, European Commission (confirmed)

12:15 – 13:45 *NETWORKING LUNCH*

New Encryption Technologies - Are New Policies Required?

13:45 - 14:00 **A Quantum of Safety - Preparing for the Quantum World**
- Mr. Michael Brown, CTO, ISARA (confirmed)

14:00 – 14:15 **Quantum Computing: A View on Already Existing Possibilities**
- Dr. Andreas Wespi, IBM Researcher, Specialist for Cyber Security, IBM Zurich (confirmed)

14:15 – 15:00 **Workshop Part 1 -** *Myth and Reality of New Technologies; Recommendations for further proceedings*
Moderator: Dr. Christoph Erdmann, Secusmart

15:00 – 15:45 **Workshop Part 2 –** *Are New Policy Approaches Needed for New Technologies? Recommendations for Cultural Changes*
Moderator: Dr. Kai Martius, secunet

Yet Another Crypto Challenge…Perspectives Beyond Existing Networks

15:45 - 16:15 **Keynote: Industry Perspective on the upcoming 5G/6G Technology – Advantages/Challenges of a new Type of Secure Network**
- Mr. Terry Halvorsen, Executive Vice President, Samsung (confirmed)

16:15 - 16:30 **Closing and Farewell Remarks**

16:30 – 17:30 *RECEPTION*