

# CYBER SECURITY CLUSTER BONN



*The heart of cyber security in Europe*



# WE NEED TO HAVE SOCIETY IMMUNIZED AGAINST CYBERATTACKS

- ➔ The exponentially increasing **attacks cannot be handled alone.**
- ➔ **Knowledge** must be **shared**, **cooperation of all** must be **promoted**
- ➔ Bonn offers the **perfect symbiosis** of **Cyber Security authorities**, **research institutions** and **private industry** in one location

*We need an „army of the good“*

# AMBITION



*The cluster's primary goal is to make Bonn the "heart of (operational) cyber security in Europe" and to contribute to the immunization of society against cyber-attacks.*



# STRUCTURE OF REGISTERED ASSOCIATION


Founded :  
October 4<sup>th</sup> 2018


**Association**  
**Cyber Security Cluster Bonn e.V.**


**Clustermanager**

**Management Board**

City Bonn 


Chamber of Commerce and Industry Bonn/Rhine-Sieg 

Fraunhofer-Gesellschaft e.V. 

Anykey GmbH 

Telekom Security 

axxessio GmbH 

University of Applied Sciences Bonn/Rhine-Sieg 

Conet Solutions GmbH 

**Advisory Board\***

 Federal Office for Information Security

 German Cyber and Information Domain Service Headquarter

Police Headquarter Bonn 

 Rheinische Friedrich-Wilhelms-Universität Bonn

**Members' Meeting**

**Currently 90 members**



\* The Advisory Board has an advisory function only.

# STRATEGIC ELEMENTS



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## Awareness / Events / Positioning



- 1 Focus: One major annual event  
**Cyber Security Tech Summit Europe**
- 2 Cooperation with other European security-oriented institutions
- 3 Common annual calendar for all security events
- 4 Cyber Security Award of the Year (several categories)

OUTLOOK

## Wise Council of Cyber Security Experts



- 1 The cluster forms an expert body in the form of a "Wise Council", which is to advise politics and business on questions of cyber security (offer to politics)
- 2 Staffing with leading national and international independent security experts



CYBER SECURITY

Welcome to Spain

WELCOME TO THE CYBER SECURITY TECH SUMMIT EUROPE IN SPAIN

5G MASSIVE MACHINE COMMUNICATIONS

With intelligent Smart car

DATA

of b

IBM Radar T splunk

Achim Berg President BITKOM

Cloud

partners in AI capabilities

XGen SECURITY

INFINITY

Time Cost Skill

Innovation is thriving

ANONYMITY

IBM Radar T splunk

IBM Radar T splunk

IBM Radar T splunk

IBM Radar T splunk

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IBM Radar T splunk

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# IMPRESSIONS Cyber Security Tech Summit Europe 2019

**INVITATION: JOIN US AT THE VIRTUAL...**

# **2. CYBER SECURITY TECH SUMMIT EUROPE 2020**

**20. AUGUST 2020, 14-19 UHR  
ONLINE-KONFERENZ**

**#CSTSE2020**

Eine Initiative des



**Register for free: <https://cyber-security-tech-summit.eu>**



WISE COUNCIL...

# ...OF CYBER SECURITY EXPERTS



**Prof. Dr.  
Matthew Smith**

Professor for Usable Security and Privacy, University of **Bonn** and FKIE



**Prof. Dr.  
Claudia Eckert**

Director of Fraunhofer Institute for Applied and Integrated Security (AISEC), **Munich**



**Prof. Dr.  
Norbert  
Pohlmann**

Professor of Computer Science for Distributed Systems, Information Security, Westphalia University **Gelsenkirchen**



**Prof. Dr.-Ing.  
Delphine  
Reinhardt**

Head of the Computer Security and Privacy group, University of **Göttingen**



**Prof. Dr.  
Angela Sasse**

Professor of Human-Centred Security, Ruhr University **Bochum**



**Prof. Dr.  
Mathias Hollick**

Head of Secure Mobile Networking Lab, Technical University **Darmstadt**

# Wise Council of Cyber Security Experts: Publication of 1. Report

## Download of the report



**MEHR SICHERHEIT FÜR DIE DIGITALE TRANSFORMATION**

Warum wir nur gemeinsam die Gesellschaft gegen Angriffe aus dem Netz immunisieren können

**JAHRESBERICHT DES WEISNRATS FÜR CYBER-SICHERHEIT 2020**  
Bonn, 15. Mai 2020

CYBER SECURITY CLUSTER BONN

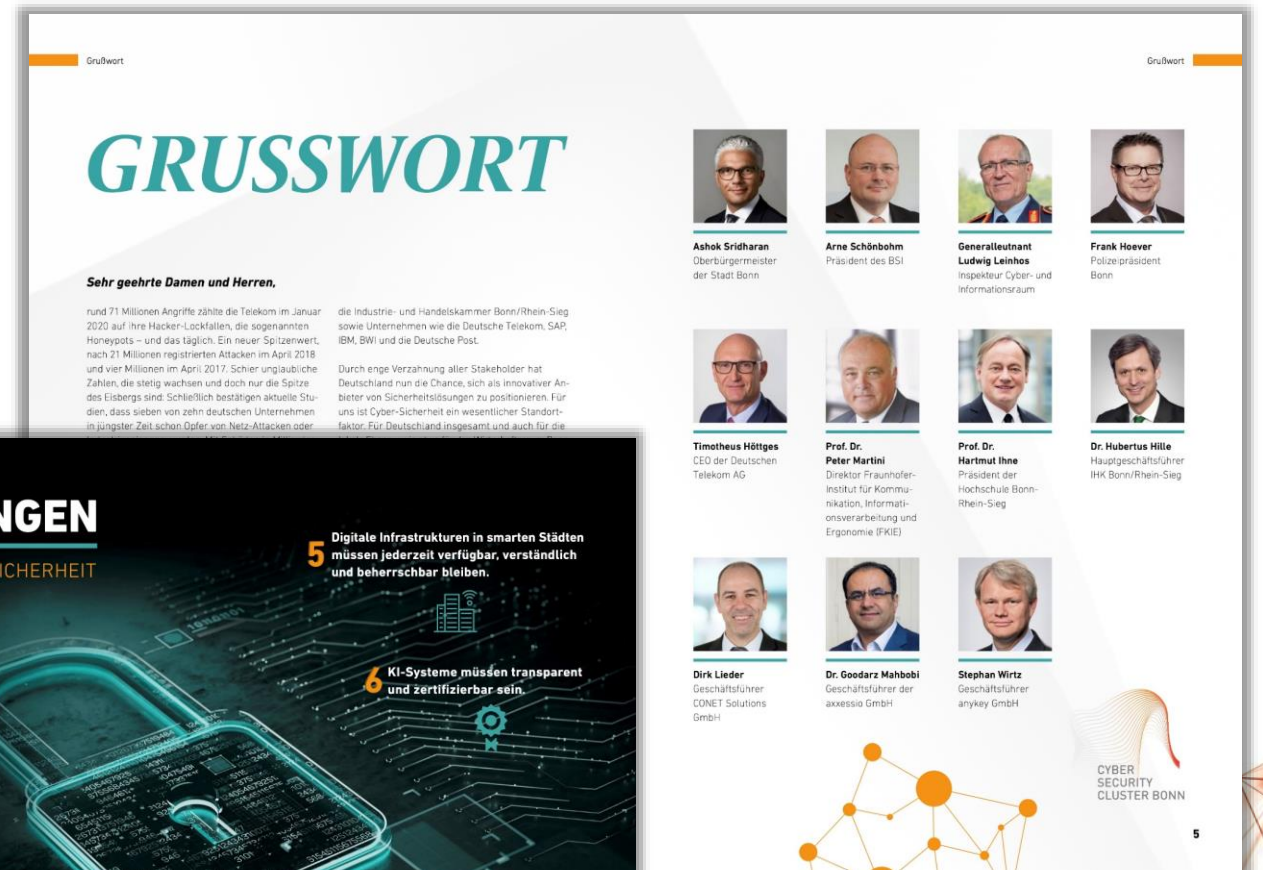


## 8 EMPFEHLUNGEN

DES WEISNRATS FÜR CYBER-SICHERHEIT

- 1 Technologie muss sich dem Menschen anpassen, um ihn zu entlasten und zu schützen.
- 2 Hersteller müssen sich zu regelmäßigen Schwachstellentests und Sicherheitsupdates verpflichten.
- 3 Digitale Prozesse und Infrastrukturen müssen angriffsresilienter werden.
- 4 Technologische Souveränität muss erhöht und bewahrt werden.
- 5 Digitale Infrastrukturen in smarten Städten müssen jederzeit verfügbar, verständlich und beherrschbar bleiben.
- 6 KI-Systeme müssen transparent und zertifizierbar sein.
- 7 Langlebige Produkte müssen kryptoagil gestaltet werden.
- 8 Der Schutz der Demokratie muss online verstärkt werden.

14 Jahresbericht des Weisnrats für Cyber-Sicherheit 2020



## GRUSSWORT

Sehr geehrte Damen und Herren,

rund 71 Millionen Angriffe zählte die Telekom im Januar 2020 auf Ihre Hacker-Lockfallen, die sogenannten Honeyspots – und das täglich. Ein neuer Spitzenwert: nach 21 Millionen registrierten Attacken im April 2018 und vier Millionen im April 2017. Schier unglaubliche Zahlen, die stetig wachsen und doch nur die Spitze des Eisbergs sind. Schließlich bestätigen aktuelle Studien, dass sieben von zehn deutschen Unternehmen in jüngster Zeit schon Opfer von Netz-Attacken oder

die Industrie- und Handelskammer Bonn/Rhein-Sieg sowie Unternehmen wie die Deutsche Telekom, SAP, IBM, BWI und die Deutsche Post.

Durch enge Verzahnung aller Stakeholder hat Deutschland nun die Chance, sich als innovativer Anbieter von Sicherheitslösungen zu positionieren. Für uns ist Cyber-Sicherheit ein wesentlicher Standortfaktor. Für Deutschland insgesamt und auch für die

**Ashok Sridharan**  
Oberbürgermeister der Stadt Bonn

**Arne Schönbohm**  
Präsident des BSI

**Generalleutnant Ludwig Leinhos**  
Inspekteur Cyber- und Informationsraum

**Frank Hoever**  
Polizeipräsident Bonn

**Timotheus Hötges**  
CEO der Deutschen Telekom AG

**Prof. Dr. Peter Martini**  
Direktor Fraunhofer-Institut für Kommunikation, Informationsverarbeitung und Ergonomie (FKIE)

**Prof. Dr. Hartmut Ihne**  
Präsident der Hochschule Bonn-Rhein-Sieg

**Dr. Hubertus Hille**  
Hauptgeschäftsführer IHK Bonn/Rhein-Sieg

**Dirk Lieder**  
Geschäftsführer CONET Solutions GmbH

**Dr. Goodarz Mahbobi**  
Geschäftsführer der accessio GmbH

**Stephan Wirtz**  
Geschäftsführer anykey GmbH

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# STRATEGIC ELEMENTS

## Transfer of Cyber Security Know-How



1 Collaboration with universities to implement cyber security classes into the curricula of other fields

2 Promotion of training of experts in the field of cyber security

## Projects

- 1 Designing blueprints, what SME should have implemented
- 2 Building an online platform with videos and eBooks with easy to understand content to transfer practical know-how to SME
- 3 Designing innovative formats such as a Cyber Security Slam / a Fuck Up Night with entertaining elements to draw new audiences / target groups to the topic

# STRATEGIC ELEMENTS

## Incubator for IT Security Start-ups



- 1 **Objective:** Anyone who wants to set up a security startup in Germany always thinks of Bonn first
- 2 Close cooperation with the digital start-up scene
- 3 Cooperation with international security startup centers
- 4 Financial support of start-ups as well as infrastructure

OUTLOOK

## Secure Digital City Bonn



- 1 Mass market penetration for secure digital use cases for business and administration
- 2 The cluster aims to provide a district of Bonn with secure digital technologies

OUTLOOK

# STRATEGIC ELEMENTS

## Secure Digital Hospital / Medical Campus



1

Holistic approach to design a digitized medical campus with focus on innovation & cyber security in collaboration with the university hospital of Bonn

2

Secure Digital Hospital as part of the Secure Digital City Bonn

# COLLABORATION OPPORTUNITIES

- 1 Innovative approaches to transfer knowledge to new target groups (e.g., slams, FuckUp Nights, security entertainment, ...)
- 2 Holistic Smart City Approaches
- 3 Blueprints, what SME should implement and how to approach those solutions
- 4 Advising politics in terms of Cyber Security legislation



# CYBER SECURITY CLUSTER BONN

*The heart of cyber security in Europe*

<https://cyber-security-cluster.eu/>



WE DEVELOP BONN TO  
BECOME THE “DAVOS”  
FOR CYBER SECURITY

## CONTACT

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