



SECURITY NETWORK MUNICH  
PRESENTS

# MCSC

MUNICH CYBER SECURITY  
CONFERENCE **2018**

## WannaCry again? Making our **businesses** **digitally great** and **cyberproof**

Hotel Bayerischer Hof  
Munich, February 15, 2018  
2:00 – 7:30 pm  
Followed by Reception and Networking Party

In cooperation with:



Bavarian Ministry of Economic Affairs  
and Media, Energy and Technology



Munich Security  
Conference **MSC**  
Münchner Sicherheitskonferenz

This conference is sponsored by:



**SIEMENS**



Media partners:

**Capital**    **The Security Times**



**Ilse Aigner, MdL**

## Distinguished Guests,

Cyber security is one of the top concerns of the Bavarian state government. The worldwide increase in cybercrime highlights the importance of systematically tackling cyber risks in private and commercial environments. Cybercrime incidents cause annual business losses of more than 10 million Euro in Bavaria alone, and this number is increasing.

To counter this trend, we have established a platform for cyber security at the Zentrum Digitalisierung.Bayern (ZD.B) which aims to strengthen cooperation and knowledge transfer between researchers, businesses and users in order to build a safer digital environment and to further enhance Bavaria's leading role in the security industry. Moreover, with the Digitalbonus.Bayern we have introduced a support programme to help small and medium-sized businesses develop custom-made security solutions. Through this programme, we are also helping raise awareness among executive managers of their crucial role in implementing corporate cybersecurity strategies.

A further goal of the Digitalbonus.Bayern is to support small and medium-sized enterprises to extend their value chain to include new digital services and production technologies, because we strongly believe in the benefits of the 4th industrial revolution.

The foundation for a successful digital transformation of our businesses, economy and society is trust and the confidentiality of corporate and personal data, the protection of digital identities as known in the analogue world. Here, legislative authorities and businesses need to cooperate to find the right set of measures and incentives to provide all layers of our society with the necessary frameworks for responsible and trustworthy information and data management. Standards for health and environment or quality management are engrained in our everyday business lives. Let us work together to make information and cyber security management an intrinsic part of our daily routines as well.

Besides standards and regulation, innovation is a key driver in mitigating cyber risks. User-friendly ICT systems that include security functionalities from the beginning – security by design – need to be developed. Best practice and international cross sector cooperation will help us reach this goal.

I wish you a successful and engaging Munich Cyber Security Conference 2018 and I'm sure that the interesting discussions held today will contribute to bringing more security to the digital world.



**Ilse Aigner**

Bavarian State Minister of Economic Affairs and Media, Energy and Technology  
Deputy Minister-President of Bavaria

Bavarian Ministry of Economic Affairs  
and Media, Energy and Technology



## IMPRINT

Publisher:  
Security Network Munich

Layout:  
Zeilbeck Design Company

© Security Network Munich, 2018  
All rights reserved

Dear participants,

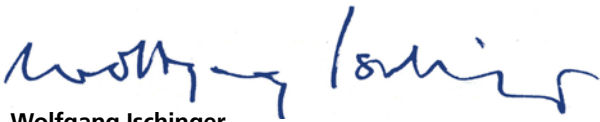
I am delighted that the Munich Cyber Security Conference (MCSC) will again assemble distinguished cyber security experts on the eve of the 54th Munich Security Conference.

At this year's main conference in Munich, we will again host various events on cyber security and partner with some outstanding organizations, such as the Atlantic Council, the Federal Armed Forces, Google, Microsoft, and NATO's Cooperative Cyber Defense Center of Excellence.

The Security Network Munich has been a trustworthy and reliable partner throughout the years, and we appreciate its extensive expertise and convening power and look forward to further cooperation in the future.

But for now, I would like to challenge all of you to make sure this will be a thought-provoking and productive event here in Munich.

Sincerely yours,



**Wolfgang Ischinger**

Chairman of the Munich Security Conference

Munich Security Conference **MSC**  
Münchner Sicherheitskonferenz



**Ambassador  
Wolfgang Ischinger**

**MCSC** MUNICH CYBER SECURITY  
CONFERENCE **2018**

This conference is under the patronage of the Bavarian State Minister of Economic Affairs and Media, Energy and Technology, **Ilse Aigner**, and the Chairman of the Munich Security Conference, Ambassador **Wolfgang Ischinger**.



**Günther H. Oettinger**  
Guest of Honour

# AGENDA FOR THE FOURTH INTERNATIONAL MUNICH CYBER SECURITY CONFERENCE (MCSC) 2018

2:00–2:30 pm	<b>Welcome</b>	<p><b>Dr. Walter Schlebusch</b> Chairman, Security Network Munich (Munich)</p> <p><b>Conference Moderator:</b> <b>Prof. Klaus Schweinsberg</b> Center for Strategy and Higher Leadership (Cologne)</p>
	<b>Opening Address</b>	<p><b>His Excellency Sir Julian King</b> EU Commissioner for the Security Union (Brussels)</p>
	<b>Industry Keynote</b>	<p><b>Claudia Nemat</b> Board Member, Deutsche Telekom (Bonn)</p>
2:30–2:50 pm	<b>Impulse Speech</b>	<p><b>Robert Joyce</b> Special Assistant to the President and Cyber Security Coordinator, The White House, USA (Washington D.C.)</p>
	<b>Impulse Speech</b>	<p><b>Dr. Tobias Feakin</b> Ambassador for Cyber Affairs, Australian Government (Canberra)</p>
2:50–3:40 pm	<p><b>First Panel</b> <b>Securing digital identities, is complete privacy an illusion?</b></p>	<p><b>Moderator: Christoph Raab</b> European Security Round Table (Brussels)</p> <p><b>Marina Kaljurand</b> Chair, Global Commission on the Stability of Cyberspace, GCSC (The Hague)</p> <p><b>Arne Schönbohm</b> CEO, German Federal Agency for Information Security, BSI (Bonn)</p> <p><b>Ralf Wintergerst</b> CEO, Giesecke+Devrient (Munich)</p> <p><b>Dr. Reinhard Ploss</b> CEO, Infineon Technologies (Munich)</p> <p><b>Günter Junk</b> CEO, Virtual Solution (Munich)</p>
3:40–4:10 pm	<b>Break</b>	
4:10–4:30 pm	<b>Impulse Speech</b>	<p><b>Alberto Hernández</b> CEO, Spanish National Cybersecurity Institute, INCIBE (León)</p>
	<b>Insight View</b>	<p><b>Luis Jorge Romero</b> Director-General, European Telecommunications Standards Institute, ETSI (Sophia Antipolis)</p>

4:30–5:15 pm	<b>Second Panel</b> <b>IoT – connected and corporate security, where do we stand?</b>	<b>Moderator: Prof. Udo Helmbrecht</b> President, European Union Agency for Network and Information Security, ENISA (Heraklion)  <b>Ciaran Martin</b> CEO, National Cyber Security Centre, NCSC (London)  <b>Dr. Stephen Mellor</b> CTO, Industrial Internet Consortium, IIC (Needham)  <b>Evert Dudok</b> Member of the Executive Management Board, Airbus Defence and Space (Munich)  <b>Dr. Henning Rudolf</b> Global Head of Industrial Security Services, Siemens (Munich)  <b>Alpha Barry</b> Head of Group Infrastructure & Security, ThyssenKrupp (Essen)
5:15–5:25 pm	<b>Insight View</b>	<b>Dr. Chaesub Lee</b> Director of Telecommunication Standardization Bureau, ITU (Geneva)
5:25–5:55 pm	<b>Break</b>	
	<b>Impulse Speech</b>	<b>Mark A. Gould</b> COO, Federal Reserve Bank (San Francisco)
6:00–6:25 pm	<b>Spot On</b>	<b>Moderator: Dr. Gregor Peter Schmitz</b> Editor-in-Chief, Augsburger Allgemeine (Augsburg)  <b>Jeff Moss</b> Founder and CEO, DEF CON (Seattle)  <b>Mark A. Gould</b> COO, Federal Reserve Bank (San Francisco)  <b>Eugene Kaspersky</b> Chairman and CEO, Kaspersky Lab (Moscow)

# AGENDA FOR THE FOURTH INTERNATIONAL MUNICH CYBER SECURITY CONFERENCE (MCSC) 2018

6:25–7:10 pm	<b>Third Panel</b> <b>The Future of Cyber Security – Impact of technological progress and policy making?</b>	<b>Moderator: Dr. Alexander Klimburg</b> Hague Center for Strategic Studies (The Hague)  <b>Merle Maigre</b> Director, NATO Cooperative Cyber Defence Centre of Excellence, CCDCOE (Tallinn)  <b>Achim Berg</b> President, BITKOM (Berlin)  <b>Dr. Rainer Baumgart</b> CEO, Secunet (Essen)  <b>Harald Reisinger</b> CEO, RadarServices (Vienna)  <b>Yuji Ukai</b> Founder and CEO, FFRI (Tokyo)
7:10 pm	<b>Closing Address</b>	<b>Dr. Klaus Mittelbach</b> CEO, German Electrical and Electronic Manufacturer’s Association, ZVEI (Frankfurt/Main)
7:20 pm	<b>Reception Speech</b>	<b>Her Excellency Ilse Aigner</b> Bavarian State Minister for Economy and Technology, Energy and Media (Munich)
	<b>Guest of Honour</b>	<b>His Excellency Günther Oettinger</b> EU Commissioner for Budget and Human Resources (Brussels)
7:30–9:00 pm	<b>Reception and Networking Party</b>	

## CONFERENCE MODERATOR



### Prof. Klaus Schweinsberg

Chairman, Center for Strategy and Higher Leadership (Cologne)

Professor Klaus Schweinsberg is a distinguished researcher and advisor on strategy and leadership. As a senior advisor he works closely with Chairmen and CEOs of large multinational companies. He also teaches at several universities and the General Staff College of the Federal Armed Forces.

Prof. Schweinsberg is a member of several supervisory boards. Since 2009 he is a member of the Young Global Leaders of the World Economic Forum (WEF) at Davos. He is a partner of the Munich Security Conference and co-hosted several Cyber Security Summits. Previously he held senior managerial positions within Bertelsmann and FT Group, latest as Editor-in-Chief and Publisher of the German business magazines *Capital* and *Impulse*.

## EDITORIAL

### Dear participants,

This conference takes place following a year of turmoil in international cybersecurity. 2017 was replete with cyber-related headlines, many of which spoke to different facets of an increasingly complex challenge. The WannaCry and NonPetya campaigns were at the forefront of a new wave of ransomware attacks that may have caused up to USD 5 billion of damage across the globe, significantly disrupting critical infrastructure in the process. The Internet of Things has helped fuel a marked rise in Distributed Denial of Service (DDoS) attacks to nearly double the level of 2016, and with a frightening number of botnets lying dormant waiting for an unknown purpose. Finally, incidents across elections in Europe and Africa show that the information warfare trend towards “hacking democracy” may not be a passing fad. While cyberspace flickers under this onslaught, intergovernmental attempts to find a workable interstate dialogue seem at an impasse. The failure of the UN-mandated governmental expert discussions and stalemates in other diplomatic fora show that governments alone will not be able to fix the problem.

Despite states’ traditional dominance over all questions related to international peace and security, its role within the overall cyberspace ecosystem is limited. After all, the Internet is governed by a complex ecosystem of stakeholders, each with its own set of standards, norms, rules and processes. Governments alone cannot decide on all aspects of cyberspace – a space in which civil society writes much of the key code and the private sector owns nearly all the digital and physical assets. Given this complex landscape, it is unlikely there can be a singularly encompassing legal solution that is both enforceable and inclusive. Instead, developing norms of behaviour acceptable to all relevant stakeholders is essential. The norm development principle was initiated in previous years by the now-defunct UN initiative, and included such noteworthy examples such as the prohibition of attacking critical infrastructures in peacetime, or interfering with the work of computer emergency response teams. This work must continue.

The Global Commission on the Stability of Cyberspace was launched at last year’s Munich Security Conference to help develop norms and policy initiatives related to international stability and security of cyberspace. It does this by connecting these traditional state-led dialogues with those of the Internet communities. We are a multi-stakeholder initiative that brings together noted individuals from diverse cyberspace backgrounds and from every region of the globe to help both inform and advance the international cybersecurity debate in both public and private sector fora. Recently, in New Delhi, we released our Call to Protect the Public Core of the Internet – an appeal for a new norm to apply to both state and non-state actors to refrain from activity that intentionally and substantially damages the general availability or integrity of the Internet itself.

Just like our work, this conference has embraced the multi-stakeholder reality that underpins the Internet. The Internet continues to grow, with new technologies such as artificial intelligence and quantum computing and encryption promising to yet again transform this unique human-made domain. These exciting developments will add yet more questions to those we have yet not fully addressed. I look forward to exploring some of the answers with you here.

### **Marina Kaljurand**

Chair, Global Commission on the Stability of Cyberspace (The Hague)



**Marina Kaljurand**

## HOST: SECURITY NETWORK MUNICH



### **Dr. Walter Schlebusch**

Chairman, Security Network Munich (Munich)

Dr. Walter Schlebusch is Chairman of Security Network Munich and Member of the Advisory Board at Giesecke & Devrient (G&D). In his former role as CEO of G&D, Walter Schlebusch shaped and promoted the set-up of dedicated cyber security activities. He is a strong advocate of cyber security policies stressing the need for cooperation and innovation across all sectors in meeting digital challenges.

Walter Schlebusch currently serves as the Industry Speaker for the Cyber Security Platform at the Centre of Digitization Bavaria (ZD.B) in Munich. He is a founding Member of United Europe, a pro-Europe Initiative of business people, politicians and analysts. He studied engineering and graduated from the technical university in Aachen, Germany.

## KEYNOTE SPEAKERS



### **His Excellency Sir Julian King**

EU Commissioner for the Security Union (Brussels)

Sir Julian King was appointed Commissioner for Security Union on the 19th September 2016.

He joined the Foreign & Commonwealth Office in 1985. He has held various positions, including: UK Ambassador to France (2016); Director General Economic & Consular (2014); DG of the Northern Ireland Office London and Belfast (2011); UK Ambassador to Ireland (2009); EU Commission Chef de Cabinet to Commissioner for Trade (2008); UK Representative on EU Political and Security Committee, (2004).

Sir Julian is a graduate of Oxford University. He was awarded the KCVO in 2014; CVO in 2011 and CMG in 2006.



### **Claudia Nemat**

Board Member, Deutsche Telekom (Bonn)

Born in 1968, Claudia Nemat has been a member of the Board of Management of Deutsche Telekom AG since October 2011. Mrs. Nemat was responsible for the Board area Europe and Technology until the end of 2016. She leads the new Board area Technology & Innovation since January 2017.

Before joining Deutsche Telekom AG, Claudia Nemat spent 17 years working for McKinsey & Company where she was elected Partner in 2000, and Senior Partner ("Director") in 2006. Her main areas of expertise include large-scale strategic and operational turnaround and transformation programs, especially for global technology companies as well as in the software and telecommunications industries.

Claudia Nemat studied physics at University of Cologne, where she has also taught at the department of Physics and Mathematics.



## SPEAKERS



### **Robert Joyce**

Special Assistant to the President and Cybersecurity Coordinator, The White House, USA (Washington D.C.)

Mr. Rob Joyce is the Special Assistant to the President and Cybersecurity Coordinator at the White House. Rob leads the development of national and international cybersecurity strategy and policy for the United States and oversees implementation of those policies; in this capacity, he ensures that the Federal Government is effectively partnering with the private sector, nongovernmental organizations, other branches and levels of government, and other nations.

Before to coming to the White House, Rob served at the NSA for over 27 years, holding various leadership positions within both focus areas of NSA: the Information Assurance and Signals Intelligence missions. From 2013 to 2017, Rob served as the Chief of Tailored Access Operations (TAO), the NSA's mission element that provided tools and expertise in computer network exploitation to deliver foreign intelligence. Prior to becoming the Chief of TAO, Rob served as the Deputy Director of the Information Assurance Directorate (IAD) at NSA, where he led efforts to harden, protect and defend the Nation's most critical National Security systems and improve cybersecurity for the nation. He was elevated to the Senior Executive Service in 2001.

Mr. Joyce holds a Bachelors Degree in Electrical and Computer Engineering from Clarkson University and a Masters Degree in Electrical Engineering from The Johns Hopkins University. He has been the recipient of two Presidential Rank Awards.



### **Dr. Tobias Feakin**

Ambassador for Cyber Affairs, Australian Government (Canberra)

Dr. Tobias Feakin is Australia's inaugural Ambassador for Cyber Affairs. He leads Australia's whole of government international engagement to advance and protect Australia's national security, foreign policy, economic and trade, and development interests in the internet and in cyberspace.

Ambassador Feakin was a member of the Independent Panel of Experts that supported the Australian Cyber Security Review to produce Australia's 2016 Cyber Security Strategy. He was the Director of National Security Programs at the Australian Strategic Policy Institute from 2012 to 2016 and established the Institute's International Cyber Policy Centre. He has also held a number of research and advisory positions, including with the Royal United Services Institute for Defence and Security Studies, the Oxford University Global Cyber Security Capacity Centre, the Global Commission on Internet Governance and the Global Commission on the Stability of Cyberspace.

Ambassador Feakin holds an Honours Degree in Security Studies and a Doctorate of Philosophy in International Politics and Security Studies, both from the University of Bradford.



## Christoph Raab

Chairman, European Security Round Table (Brussels)

Christoph Raab has been Chairman of the European Security Round Table (ESRT), a leading Brussels based policy forum for cyber security and defence matters since 2009. Recently, he also assumed the position as Executive Director of the Drone Alliance Europe. Before, in November 2005, he has assumed the management of COPURA, an event management company specialised in security and defence activities. From 2002 to 2005, he was parliamentary Personal Assistant to Karl von Wogau, MEP. Christoph Raab has received his degree in Economics at the University of Trier, holds a Masters degree from the College of Europe (Natolin) and is a trained journalist. He is a regular speaker and chair at international cyber security and defence conferences and expert circles and publishes regularly articles on cyber security and defence.



## Her Excellency Marina Kaljurand

Chair, Global Commission on the Stability of Cyberspace and former Foreign Minister of Republic of Estonia, GCSC (The Hague)

Before becoming Chair of the Global Commission on the Stability of Cyberspace (GCSC), Marina served as Estonian Foreign Minister from July 2015 until October 2016. She began her career at the Ministry of Foreign Affairs in 1991, holding several leadership positions as well as serving as Estonian Ambassador to Israel, the Russian Federation, Kazakhstan, Mexico, Canada and the United States of America. She also served twice as the Estonian National Expert at the UN Group of Governmental Experts on Developments in the Field of Information and Telecommunications in the Context of International Security (GGE), in 2014-2015 and in 2016-2017.

She graduated cum laude from Tartu University (1986, LL.M.), has a professional diploma from the Estonian School of Diplomacy (1992) and an MA from the Fletcher School of Law and Diplomacy, Tufts University.



## Arne Schönbohm

President of German Federal Agency for Information Security, BSI (Bonn)

Arne Schönbohm took up his new position as president of the Federal Office for Information Security (BSI) in 2016. He studied international business administration at the International School of Management in Dortmund, as well as in London and Taipei. Between 1995 and 2008 he held several senior positions within EADS Germany, now Airbus, most recently as Vice President Commercial and Defence Solutions for EADS Secure Networks. From 2008 to 2016 he was Chief Executive Officer of BSS BuCET Shared Services AG (BSS AG), which advises companies and public authorities in the fields of digitalisation, cyber security and data protection.

From 2012 Arne Schönbohm served for more than three years as president of Cyber-Sicherheitsrat Deutschland e.V., a Berlin-based politically neutral association, that has set itself the task of advising companies, public authorities and policymakers on matters of cyber security and strengthening them for the fight against cybercrime. He is also the author of various books, including "Deutschlands Sicherheit – Cybercrime and Cyberwar" (2011).



## Ralf Wintergerst

CEO, Giesecke+Devrient (Munich)

Ralf Wintergerst was appointed to the Management Board of Giesecke+Devrient (G+D) in 2013 and became its Chairman in 2016. Prior to this, he held senior management positions across the company, which he joined in 1998. In addition to his role with G+D, Wintergerst co-chairs a dedicated security platform within the German Digital Summit Initiative with the Federal Minister of the Interior and also acts as an advisor to the University of the German Federal Armed Forces' CODE Cyber Security Centre in Munich. Wintergerst was appointed Chairman of the Supervisory Board of secunet Security Networks AG in 2017.



## Dr. Reinhard Ploss

CEO, Infineon Technologies AG (Munich)

Reinhard Ploss has been a member of the Management Board of Infineon Technologies AG since 2007. He has been CEO since October 1, 2012.

Reinhard Ploss was born on December 8, 1955 in Bamberg. He studied process engineering at the Technical University of Munich and in 1986 received his doctorate. He began his career at Infineon (Siemens AG until 1999) in the same year.



## Günter Junk

CEO, Virtual Solution AG (Munich)

Günter Junk has been the Chief Executive Officer (CEO) of Virtual Solution AG since October 2016. He launched his career in the technology branch with the American company Hewlett-Packard immediately after having graduated in Communications Engineering from the University of Cologne in Germany. Following this step, Günter Junk played a significant role in the growth of Cisco Systems as Executive Director in Germany, and later on as the Vice President for Operations in the EMEA region.

Günter Junk gained extensive experience in the security industry when working for Astaro, a networks specialist, and for Sophos, a UK company, including in his latest position as the General Manager of the Sophos Security Group.



## Alberto Hernández

CEO, Spanish National Cybersecurity Institute, INCIBE (León)

Alberto Hernández, CEO of INCIBE, holds a degree in Telecommunications Engineering from the Polytechnic University of Madrid and has the certification of Security Director appointed by the Ministry of Home Affairs.

He held the position of Chief Operating Officer (COO) at INCIBE from February 2014 to October 2016 overseeing the implementation of support services, technologies and activities for industry, R&D&I and talent development. As an international expert, he has participated in the missions of the Organization of American States (OAS) aimed at developing national cybersecurity strategies in several Latin American countries. Before joining INCIBE he worked as the Head of Cyber-Defence at ISDEFE and was a member of the team responsible for the design and implementation of the Joint Cyber-Defence Command of the Spanish Armed Forces.



## Luis Jorge Romero

Director-General, European Telecommunications Standards Institute, ETSI (Sophia Antipolis)

Luis Jorge Romero, Director General of ETSI, has more than 20-years' experience in the telecommunications sector. At ETSI he has initiated a global standardization partnership for Machine to Machine communications, oneM2M, has overseen the rapid development of ETSI's Industry Specification Group on Network Functions Virtualization, and has driven the implementation of the ETSI Long Term Strategy. He is now positioning the institute to take a leading role in 5G standardization through the 3GPP global partnership project and through initiatives such as ETSI's Multi-access Edge Computing, Millimetre Wave Transmission and Network Functions Virtualization groups. Previously he has held diverse Director positions in Spain, Morocco and Mexico, predominantly with Telefonica. Before joining ETSI in July 2011, he held the position of Director General of Innosoft and was also a partner and board member of Madrid-based Innology Ventures.



## Prof. Dr. Udo Helmbrecht

Executive Director of the European Union Agency for Network and Information Security, ENISA (Heraklion)

Prof. Dr. Udo Helmbrecht was appointed as Executive Director of the European Union Agency for Network and Information Security (ENISA) in 2009. Prior to his current position he was serving as the president of the German Federal Office for Information Security (BSI) since 2003.

His professional career stretches over 40 years with management positions in a variety of areas, including the energy industry, insurance, engineering, aviation, defence, and the space industry.

Born in 1955, he studied Physics, Mathematics and Computer Science at Ruhr-University, Bochum, and in 1984 he was awarded a PhD in Theoretical Physics.

In 2010 Udo Helmbrecht was appointed honorary professor at the Universität der Bundeswehr Munich, Germany.



## **Dr. Stephen Mellor**

CTO, Industrial Internet Consortium, IIC (Needham)

Stephen Mellor is the Chief Technical Officer for the Industrial Internet Consortium, where he directs the standards requirements and technology & security priorities for the Industrial Internet. He also co-chairs both the Definitions, Taxonomy and Reference Architecture workgroup and the Use Cases workgroup for the NIST CPS PWG (National Institute for Standards and Technology Cyberphysical System Public Working Group). Until recently, he was Chief Scientist of the Embedded Software Division at Mentor Graphics, and founder and past president of Project Technology, Inc., before its acquisition. He participated in multiple UML/modeling-related activities at the Object Management Group (OMG), and was a member of the OMG Architecture Board, which is the final technical gateway for all OMG standards.



## **Evert Dudok**

Member of the Executive Management Board,  
Airbus Defence and Space (Munich)

Evert Dudok is EVP Communications, Intelligence & Security and a member of the Airbus Defence & Space Executive Committee. He has over 30 years' experience working in the space industry including roles such as CEO of Astrium Services, CEO of Astrium Satellites, Director of Earth Observation, Navigation & Science at EADS Astrium and also as President of Space Transportation at EADS Astrium. The Dutchman is a trained electrical engineer and holds a degree in Electrical Engineering from the Technical University of Eindhoven. He is married with two children.



## **Dr. Henning Rudolf**

Global Head of Industrial Security Services, Siemens (Munich)

Dr. Henning Rudolf studied production technology in Berlin, Berkeley and Massachusetts and received a PhD in Digital Manufacturing. His roles at Siemens included management consulting and various positions in the industrial automation and software business at the intersection of machines and IT systems. Currently he is the Global Head of the Industrial Security Service business for discrete and process industries.



## Alpha Barry

Head of Strategy, ThyssenKrupp (Essen)

Alpha Barry reports to the thyssenkrupp CIO, and is heading Group Infrastructure and Security. His main responsibility is to ensure cybersecurity and information security for the thyssenkrupp group. This includes managing the response to cyber incidents, as well as managing group-wide programs to improve digital resilience.

Alpha Barry joined thyssenkrupp in 2012, and held various roles in corporate IT management. Before joining thyssenkrupp, Alpha Barry worked as a consultant for McKinsey & Company for 7 years, and additional 5 years as top manager in mid-sized software companies.

He studied industrial engineering and management at Technische Universität Berlin.



## Ciaran Martin

CEO, National Cyber Security Centre, NCSC (London)

Ciaran Martin was announced in his new role as CEO of the NCSC on 15 March 2016.

He moved into that role from his position as GCHQ's Director General for Cyber Security, a role he had held since February 2014. As CEO NCSC, Ciaran leads the new public-facing London centre whose purpose is to bring together the UK's cyber expertise to make the UK the safest place to live and do business online.

Since he joined GCHQ, Ciaran has led the transformation of GCHQ's security mission into an active and supportive role for Government departments and critical national infrastructure and has worked to make GCHQ's technical expertise and advice more widely available. Until April 2016 he was also the GCHQ Board member responsible for GCHQ's strategy for managing information risk and has led on policy and communications for the Department. Prior to his role at GCHQ, Ciaran spent eight years in the Cabinet Office as Constitution Director, Director of Security and Intelligence and Principal Private Secretary to the Cabinet Secretary. Ciaran has also held a variety of policy roles at HM Treasury and spent three years in the National Audit Office.

Ciaran graduated from Hertford College, Oxford in 1996 with a first in history.



## Dr. Chaesub Lee

Director of Telecommunication Standardization Bureau,  
International Telecommunication Union, ITU (Geneva)

Chaesub Lee is the Director of the ITU's Telecommunication Standardization Bureau. He has been involved in the telecommunication and ICT standardization field for 30 years, specializing in areas such as integrated services digital networks, global information infrastructure, Internet protocol, next-generation networks, Internet protocol television and cloud computing. Before ITU, Lee worked at the Korea Advanced Institute of Science and Technology (KAIST), and as a senior advisor to the Korean Ministry of ICT and Future Planning (MSIP).

Within ITU, Dr. Lee has served as Chairman of the ITU Next-Generation Networks (NGN) Focus Group and acted as Vice-Chairman of the ITU-T Study Group 13 'Future Networks and Cloud', which worked to develop standardization solutions for NGNs, future networks and cloud computing, the Internet of Things, and mobile telecommunications.

Dr. Lee holds a PhD in Multimedia Engineering and is married with two children.



## Mark A. Gould

First Vice President, COO and Federal Reserve System Cash Product Director, Federal Reserve Bank (San Francisco)

Mr. Gould was appointed First Vice President and Chief Operating Officer of the Federal Reserve Bank of San Francisco on February 1, 2014. In this role he is responsible for all operations, administration, finance, and support services across the Bank's six operating centers. Additionally he serves as Cash Product Director for the Federal Reserve System's Cash Product Office, which develops strategy, policy guidance, and technology direction for all Federal Reserve System cash operations, ensuring the stable supply of US currency and coin both domestically and internationally.

On a national level, he chairs the System's Enterprise Payments Committee, and serves on several other governance and advisory bodies.



## Dr. Gregor Peter Schmitz

Editor-in-Chief, Augsburgener Allgemeine (Augsburg)

Gregor has just taken over as editor-in-chief of Augsburgener Allgemeine, one of the largest German newspapers. Prior to that he served as Chief Political Editor and Berlin Bureau Chief of WirtschaftsWoche, Germany's leading business magazine.

From 2007 to 2013 Gregor was a Washington correspondent for DER SPIEGEL. He was part of SPIEGEL's WikiLeaks and NSA team and was awarded the Arthur F. Burns Prize and Henri-Nannen-Prize for his reporting. His first book, co-authored with George Soros ("Wetten auf Europa – Warum Deutschland den Euro retten muss, um sich selbst zu retten"), was translated into more than 10 languages.

He is a graduate of Harvard University (MPA) and Cambridge University (MPhil) and holds a law degree from Munich University. He is a member of the Atlantic Council, a Young Leader of the American Council on Germany and a McCloy Scholar of the German National Merit Foundation.



## Jeff Moss

Founder and CEO, DEF CON (Seattle)

A career spent at the intersection of hacking, professional cybersecurity and Internet governance gives Jeff Moss a unique perspective on information security. Mr. Moss is the founder and CEO of the DEF CON Communications and the founder of The Black Hat Briefings, two of the world's most influential information security events. Mr. Moss is an angel investor to startups in the security space, is a technical advisor to the TV Series Mr. Robot, and serves on the Board of Directors for Compagnie Financière Richemont SA. Mr. Moss actively seeks out opportunities to help shape the cybersecurity conversation. He is a member of the US Department of Homeland Security Advisory Council (HSAC) and a commissioner on the Global Commission on the Stability of Cyberspace (GCSC). He is a Nonresident Senior Fellow at the Atlantic Council Cyber Statecraft Initiative, and a lifetime member of the Council on Foreign Relations. In a prior life Mr. Moss served as the Chief Security Officer and was a Vice President of ICANN, the Internet Corporation for Assigned Names and Numbers.



## Eugene Kaspersky

Chairman and CEO, Kaspersky Lab (Moscow)

Eugene Kaspersky is a world-renowned cybersecurity expert and successful entrepreneur. He is the chairman and CEO of Kaspersky Lab, the world's largest privately-held vendor of endpoint protection and cybersecurity solutions.

Eugene began his career in cybersecurity accidentally when his computer became infected with the 'Cascade' virus in 1989. Eugene's specialized education in cryptography helped him analyze the encrypted virus, understand its behavior, and then develop a removal tool for it.

In 1997 Eugene and a group of associates founded Kaspersky Lab, which now has more than 3600 employees and operates all over the world.



## Dr. Alexander Klimburg

Director of the Cyber Policy and Resilience Program,  
Hague Center for Strategic Studies (The Hague)

Dr. Alexander Klimburg is Director of the Global Commission on the Stability of Cyberspace (GCSC) and Director of the Cyber Policy and Resilience Program at the Hague Centre for Strategic Studies.

He is also a nonresident senior fellow with the Atlantic Council and an associate fellow at the Austrian Institute of European and Security Policy. He has served as an adviser to a number of governments and international organizations on national cybersecurity strategies, international norms of behavior in cyberspace and cyber-conflict, critical infrastructure protection, and Internet governance. He is author and editor of numerous books, research papers, and commentaries and has often been featured in the international media, including in Newsweek, Reuters, and others. His most recent book "The Darkening Web: the War for Cyberspace" was published by Penguin Press.



## Merle Maigre

Director, NATO Cooperative Cyber Defence Centre of  
Excellence, CCDCOE (Tallinn)

Merle Maigre is Director of the NATO Cooperative Cyber Defence Centre of Excellence since September 2017. Prior to this post, Maigre worked as Security Policy Adviser to the President of Estonia 2012-2017. In this capacity she was the President's chief advisor on domestic and international security issues, including also the developments and challenges of cyber defence. 2010-2012 she served as the Policy Adviser in the Policy Planning Unit in the Private Office of NATO Secretary General, Anders Fogh Rasmussen, in Brussels. Maigre has also worked as a researcher at the International Centre for Defence and Security (ICDS), where she focused primarily on Ukraine policy and development, including the security situation in Crimea. She has also served as the Deputy Head of the NATO Liaison Office in Kyiv and at the NATO Department in Estonia's Ministry of Defence to support the country's NATO accession. Maigre holds degrees from King's College London, Middlebury College and Tartu University. She has also studied at the Johns Hopkins SAIS Bologna Center and the Paris Institute of Political Studies or Sciences-Po.





## Dr. Rainer Baumgart

CEO, secunet Security Networks AG (Essen)

Dr. Rainer Baumgart has been with secunet since 1997. He joined the Board of secunet Security Networks AG when it became a listed company in 1999 and has been Chairman of the Board since 2001. Dr. Baumgart is head of the company's Public and Business divisions, and is also responsible for business development/strategy, compliance/auditing. The physics PhD has enjoyed a 20-year career in IT security, having previously held positions at RWTÜV AG and TÜV Informationstechnik GmbH.

At the European level, Dr. Baumgart is an active member of the ENISA (European Network and Information Security Agency) Stakeholder's Group. A little closer to home, he is the Deputy Chair of the German IT security association TeleTrust Deutschland e.V.



## Harald Reisinger

CEO, RadarServices (Vienna)

Harald Reisinger has over 20 years of experience in corporate management in the IT sector. He was the co-founder of Greentube Ltd. (later successfully sold to Novomatic). Before and during the IPO phase of betandwin.com (today bwin.party digital entertainment plc.) he was a member of their management team. In 2001, Harald Reisinger founded the base-camp GmbH, which developed into one of the largest IT security companies in Austria. RadarServices originated from his idea for an IT risk management as a managed service. Harald Reisinger studied international business at the Vienna University of Economics and Business and the University of Nebraska at Omaha.



## Yuji Ukai

Founder and CEO, FFRI (Tokyo)

Yuji Ukai is founder and CEO of FFRI, Inc., a provider of a next-generation endpoint protection platform with patented progressive heuristic technologies including machine learning capabilities. Under Ukai's leadership, FFRI has become a publicly traded company on the Tokyo Stock Exchange (TYO:3692), serving customers from different sectors such as government, banking and financial services, transportation, energy, and telecom production. Previously, Ukai focused on cybersecurity research while working in digital imaging devices at Kodak Research and Development. In 2003, Ukai joined eEye Digital Security in California focusing on vulnerability analysis, assessment, and security threat analysis of embedded systems. Ukai also serves as a researcher at the Information-technology Promotion Agency of Japan and at the IoT Security Working Group of the Ministry of Internal Affairs and Communication (Japan). He is a frequent speaker and was selected for the Content Review board at BlackHat.



## Achim Berg

President, BITKOM (Berlin)

Achim Berg is Operational Partner at General Atlantic, an US based growth investor. Before that he was CEO at Arvato and member of the Bertelsmann Executive Board, responsible for the strategy and operative business of Bertelsmann's largest division with its 73,000 employees. Before joining Arvato, he spent six years at Microsoft, first as General Manager Microsoft Germany and Area Vice President Microsoft International, then as Corporate Vice President for the Windows Phone division at the U.S. corporate headquarters. Berg held executive management positions at T-Com, Fujitsu Siemens Computers, Dell Deutschland and Bull. Berg is also President of BITKOM, Germany's Federal Association for Information Technology, Telecommunications and New Media. Berg completed his studies in computer science in 1989 in Cologne. He also completed the European Potential Management Program at the European Economic School (EAP, Paris, London, Madrid, Rome, and Berlin).



## Dr. Klaus Mittelbach

CEO, German Electrical and Electronic Manufacturer's Association, ZVEI (Frankfurt/Main)

Dr. Klaus Mittelbach has been Chief Executive Officer of ZVEI - German Electrical and Electronic Manufacturers' Association in Frankfurt am Main, Germany from 2008 onward. Prior to this, Mr. Mittelbach was employed at the Federation of German Industries (BDI) from 1998 onward where he held several executive positions covering among others climate change policy and sustainable development. The years before, he worked for the German Chemical Industry Association (VCI) as Head of the Business Section Environmental Politics, for the Printed Circuit Boards Industry's Association (VDL) and Ardex, a company in the construction industry.

Mr. Mittelbach studied chemistry at the University of Bonn where he obtained his Ph.D.

Connecting Global Competence



**Save the Date**

September 20 – 22, 2018  
ICM – Internationales Congress Center München

New, interactive Summit on Cyber Security in Munich

... be part of it!

[cmdctrl.com](http://cmdctrl.com)

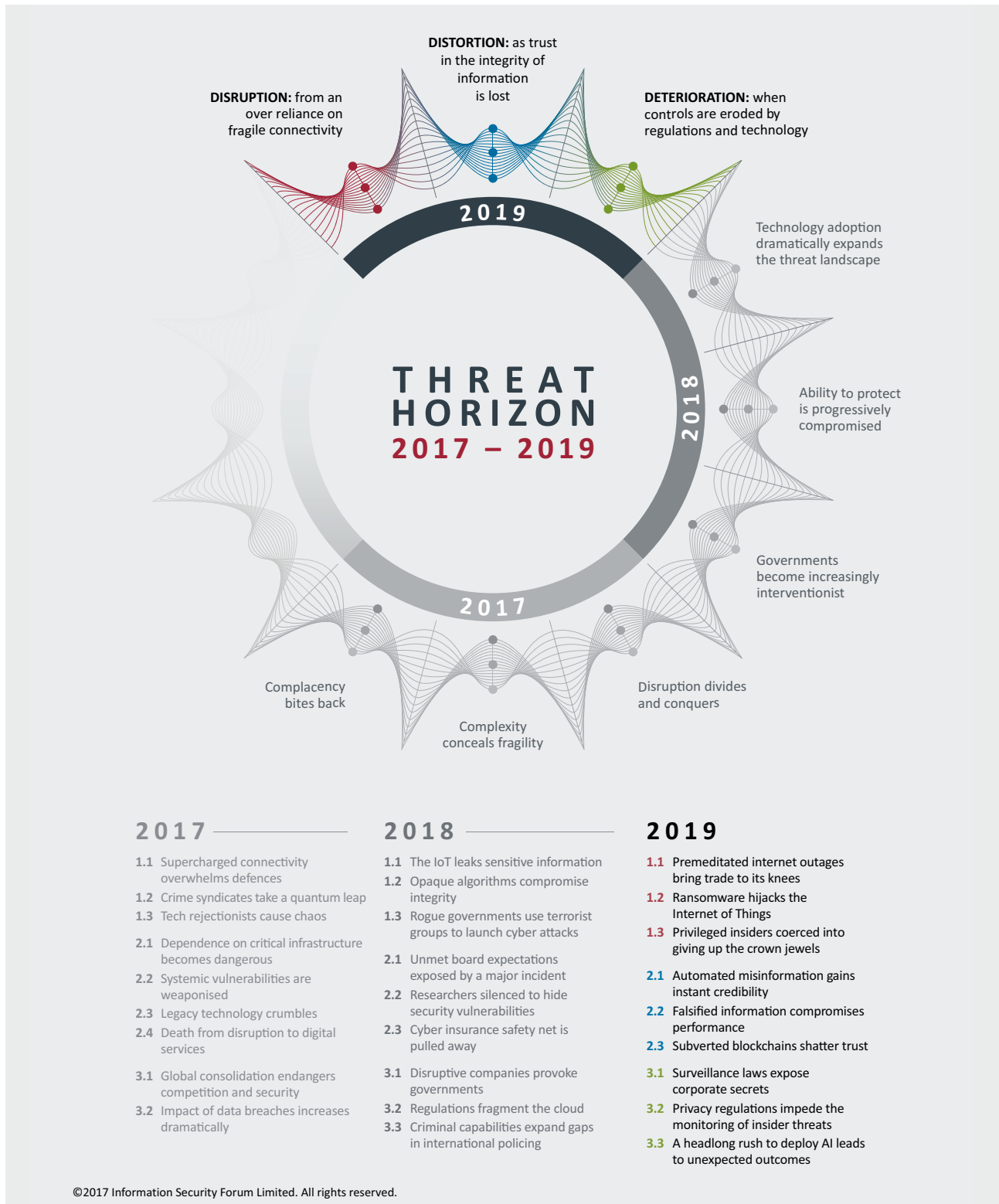
**CMD CTRL**  
Command Control  
Munich 2018

# INFORMATION SECURITY FORUM (ISF)



Founded in 1989, the Information Security Forum (ISF) is an independent, not-for-profit association of leading organisations from around the world. It is dedicated to investigating, clarifying and resolving key issues in cyber, information security and risk management and developing best practice methodologies, processes and solutions that meet the business needs of its Members. ISF Members benefit from harnessing and sharing in-depth knowledge and practical experience drawn from within their organisations and developed through an extensive research and work program.

## ISF Threat Horizon



## ACKNOWLEDGMENTS

The MCSC Team would like to thank all speakers, moderators and contributors who made this conference possible.

We are very grateful for the support of the sponsors and security experts for their valuable advice in preparing this event. Our special thanks goes to the members of the programme committee:

**Michael Gerhards, Detlef Houdeau, Wolfgang Klasen, Rolf Reinema, Tom Köhler, Oliver Rolofs, Walter Schlebusch and Christine Skropke.**

We are already looking forward to welcoming you to the next Munich Cyber Security Conference in 2019.

The Munich Cyber Security Conference Series was originally conceived and co-founded by **Oliver Rolofs** and **Tom Köhler** in cooperation with Security Network Munich.



**Oliver Rolofs**  
connecting trust



**Tom Köhler**  
connecting trust

This conference was organised by:



**Peter Möhring**  
Security Network Munich  
Giesecke+Devrient



**Julia Schröppel**  
Giesecke+Devrient



**Bianca Sum**  
Security Network Munich  
Zentrum  
Digitalisierung.Bayern



**Dr. Kathrin Jaenicke**  
Security Network Munich  
Zentrum  
Digitalisierung.Bayern

The **Munich Cyber Security Conference** provides a forum for top-level industry decision makers to meet and discuss the necessary responses to today's cyber security challenges. We are delighted to welcome you to the Conference and to be part of this vibrant community.

## SECURITY NETWORK MUNICH

### Germany's leading expert network for information security

Since 2012, Security Network Munich (Sicherheitsnetzwerk München) has been bringing together the leading players and organisations in the field of information and cyber security. As well as fostering industry cooperation through joint research and innovation projects, members meet regularly to discuss pressing industry challenges with government and research institutions. Today, the Network comprises over 100 firms and engages around 800 people through our working groups, shared projects, and events.

We also convey the industry's insights and concerns to a political and broader societal audience, providing consulting expertise on cyber strategy to state and federal government and, through education and communication, spreading awareness of the importance of information security.

Security Network Munich is currently a network project of the Center Digitisation.Bavaria (Zentrum Digitalisierung.Bayern, [www.zd-b.de](http://www.zd-b.de)) and is jointly supported by industry members and the Bavarian Ministry of Economic Affairs and Media, Energy and Technology. Through extensive collaboration, it is our aim to keep Munich and Bavaria at the forefront of innovation and technological advancement. Only by dealing effectively with threats can the advantages of digitalisation be fully realised.

For more information on the network and membership, please visit [www.it-security-munich.net](http://www.it-security-munich.net) or contact Peter Möhring ([peter.moehring@gi-de.com](mailto:peter.moehring@gi-de.com)).

