



SECURITY NETWORK MUNICH  
PRESENTS

# MCSC

MUNICH CYBER SECURITY  
CONFERENCE **2022**

**SPRING FORUM**

## Aspiring to Realizing Cyberspace's Full Potential – (Re)Building Trust and Security in a Digital World

Hotel Bayerischer Hof, Munich  
28 April 2022, 2:00–6:30 p.m. CET

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# MUNICH CYBER SECURITY CONFERENCE (MCSC) 2022 – SPRING FORUM

## Aspiring to Realizing Cyberspace's Full Potential – (Re)Building Trust and Security in a Digital World

2:00–2:30 p.m.	<b>Welcome</b>	<b>Ralf Wintergerst</b> Chairman of Security Network Munich and Group CEO at Giesecke+Devrient (Munich)
	<b>Keynote</b>	<b>Christopher Inglis</b> National Cyber Director at The White House (Washington D.C.)
	<b>Guest of Honor</b>	<b>Toomas Ilves</b> Former President of Estonia (Tallinn) in conversation with <b>Oliver Rolofs</b> , Co-Founder of MCSC Series
	<b>Impulse</b>	<b>Andreas Fahrner</b> Head of Analysis Directorate, Federal Intelligence Service BND (Berlin)
2:30–3:15 p.m.	<b>First Panel:</b> Will Geopolitics Reshape the Cyber and Information Domain?	<b>Despina Spanou</b> Head of Cabinet for European Commission Vice President M. Schinas (Brussels)
	<b>Moderator: Matthias Schulze</b> Deputy Head at the Security Division of the German Institute for International and Security Affairs SWP (Berlin)	<b>Ieva Ilves</b> Advisor on Digital Policy to the President of Latvia (Riga)
		<b>Carolyn Busch</b> Senior Manager at Atos (Munich)
		<b>Pol Morillas</b> Director of Centre for International Affairs CIDOB (Barcelona)
3:15–3:35 p.m.	<b>Coffee break</b>	
3:35–3:45 p.m.	<b>Vantage Point:</b>	<b>Georg Eisenreich</b> State Minister of Justice, Government of Bavaria (Munich)

3:45–4:30 p.m.	<p><b>Second Panel:</b> Operating Critical Infrastructures in Cyberspace – The Way forward</p> <p><b>Moderator: Wolfgang Hackenberg</b> General Manager Nokia Germany (Munich)</p>	<p><b>Volker Poetzsch</b> Branch Chief Cyber/IT, Federal Ministry of Defence (Berlin)</p> <p><b>Geoff Brown</b> Former CISO of the City of New York (New York)</p> <p><b>Chris Krebs</b> Co-Founder and Partner KS Group (Washington)</p> <p><b>Helmut Klarer</b> Group Enterprise Information Security Architect, ÖBB Holding (Vienna)</p>
4:30–4:35 p.m.	<p><b>Impulse</b></p>	<p><b>David Willems</b> Head Fusion Center at NCSC -The Netherlands (The Hague)</p>
4:35–5:20 p.m.	<p><b>Spot on:</b> Building Trust and Security in a Digital World</p> <p><b>Moderator: Gregor P. Schmitz</b> RTL Group (Hamburg)</p>	<p><b>Mary O’Brien</b> General Manager at IBM Security (Armonk, NY)</p> <p><b>Sandra Joyce</b> Executive Vice President at Mandiant (Washington D.C.)</p> <p><b>Christopher Ahlberg</b> CEO and Founder of Recorded Future (Boston)</p> <p><b>Markus Junginger</b> Group CIO at OHB (Bremen)</p>
5:20–5:40 p.m.	<p><b>Tea time</b></p>	
5:40–6:25 p.m.	<p><b>Third Panel:</b> Security by Design – Realizing Cyberspace’s Full Potential</p> <p><b>Moderator: Valentin Weber</b> Research Fellow, DGAP (Berlin)</p>	<p><b>Achim Berg</b> President of German Digital Association Bitkom (Berlin)</p> <p><b>Jochen Eisinger</b> Director of Engineering, Chrome Trust &amp; Safety, Google (Munich)</p> <p><b>Ralf Schneider</b> Group CIO at Allianz (Munich)</p> <p><b>Sven Weizenegger</b> Head of Bundeswehr Cyber Innovation Hub (Berlin)</p>
6:25–6:30 p.m.	<p><b>Greeting</b></p>	<p><b>Roland Weigert</b> State Vice Minister of Economic Affairs (Munich)</p>
6:30 p.m.	<p><b>Closing Remarks</b></p>	<p><b>Claudia Eckert</b> Executive Director of Fraunhofer AISEC (Munich)</p>

# EDITORIAL



**Christoph Heusgen**

Chairman of the Munich Security Conference



We find ourselves at a tumultuous moment in history. With its invasion of Ukraine, Russia has launched a frontal assault on the rules-based international order and the shockwaves of Russia's war of aggression are also felt in cyberspace: Cyberattacks accompanied Russia's initial invasion. Heightened tensions between Russia and NATO have sparked fears of Russian cyberattacks against NATO states. And in the long run, Russia is not the only threat.

To address cyber threats, democratic countries must take the initiative in building a digital rules-based international order that reflects their values. To achieve this, a major obstacle needs to be overcome: distrust. This time last year, a survey commissioned by the Munich Security Conference revealed dissatisfaction and distrust among Europeans regarding their security in cyber space – especially towards the government and tech sector in the US. These rifts between users and decision-makers must be addressed

so that transatlantic partners can act as legitimate forerunners in setting international rules in cyberspace. In addition, policy makers must make an effort to improve the digital resilience of their (critical) infrastructure. Uncomfortable questions regarding possible vulnerabilities must be asked, without unnecessary scaremongering but with candor.

Thus, it is more important than ever to seek a dialogue on how emerging risks in cyberspace can be addressed, and I am delighted that the Munich Cyber Security Conference is, once again, providing a forum for exactly this conversation.

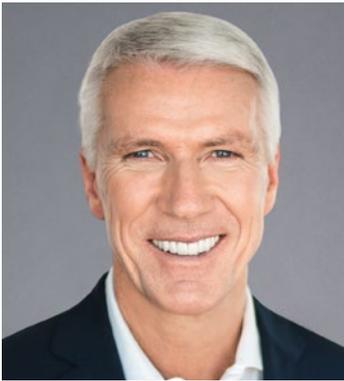
I wish you many insightful discussions on these and other questions at the MCSC Spring Forum!

Ambassador Dr. Christoph Heusgen  
Chairman of the Munich Security Conference

## INSTITUTIONAL PARTNERS:



## HOST:



### Ralf Wintergerst

Chairman of Security Network Munich  
and Group CEO at Giesecke+Devrient (Munich)

Ralf Wintergerst is Chairman of the Management Board of Giesecke+Devrient (G+D) and the current Chairman of Security Network Munich, the host of the Munich Cyber Security Conference MCSC. Furthermore to his role at G+D, Wintergerst is Chairman of the Supervisory Board of secunet Security Networks AG. In addition, he holds various positions related to IT security issues, including member of the advisory board of the Cyber Defense research institute of the Bundeswehr University in Munich and co-chair of the Digital Summit Platform Security, Protection and Trust of the Federal Ministry of the Interior. Since mid-2019, he took over as chair of the North Africa Middle East Initiative of German Business (NMI) and has also become a member of the Executive Committee of Germany's digital association, Bitkom. Ralf Wintergerst studied Business Administration and holds a Master's Degree in Management as well as in Politics, Philosophy and Economics.

## KEYNOTE:



### Christopher Inglis

National Cyber Director at The White House (Washington D.C.)

Chris Inglis currently serves as the first Senate-confirmed National Cyber Director and advisor to the President of the United States Joe Biden on cybersecurity. He previously worked as a U.S. Naval Academy Looker Distinguished Visiting Professor for Cyber Studies, as a managing director at Paladin Capital, a member of the boards of several public and private corporations, and as a Commissioner on the U.S. Cyberspace Solarium Commission. He retired from the Department of Defense in January 2014 after 41 years of federal service, including 28 years at the National Security Agency and seven and a half years as its Deputy Director. He served as a member of the Department of Defense Science Board and as a National Intelligence University trustee until early 2021. A 1976 graduate of the U.S. Air Force Academy, Inglis holds advanced degrees in engineering and computer science from Columbia University, Johns Hopkins University, and the George Washington University. Inglis' military career includes 30 years of service in the US Air Force and Air National Guard – from which he retired as a command pilot at the rank of Brigadier General. He and his wife Anna have three grown children and reside in Annapolis, MD.

## CONFERENCE MODERATOR:



### Kai Hermsen

Identity Valley (Munich)

Kai Hermsen is a "trust in tech" expert. He believes all people need to understand current digital topics and how they impact their lives, to enable trust in technology and good stewardship of our societies. As Co-CEO of Identity Valley and together with all its partners, he actively drives the transition towards a more responsible digital space. This multistakeholder work evolves around the human-centered concept of the "Digital Responsibility Goals". Before, he has been working with Siemens, driving the initiative "Charter of Trust" aimed at building a more cybersecure digital environment. As a father of two, he is passionate about finding balance in life as the only way to fuel our best work and most rewarding personal lives.

## GUEST OF HONOR:



### **Toomas Ilves**

Former President of Estonia (Tallinn)

Toomas Hendrik Ilves served President of Estonia from 2006-16. Ilves is renowned for making Estonia one of the most digitally advanced nations through innovative policies that invested heavily in the future. Estonia is considered the leading country of digital governance, offering government e-services in voting, banking, healthcare, transportation, and education. Already a decade before his presidency Ilves introduced initiatives such as the “Tiger leap” programme for Estonian schools: to equip them with computer labs and to get them all online. Ilves was born to Estonian refugees and raised in the United States. He holds a BA from Columbia and an MA from the University of Pennsylvania. He moved to Munich in 1984 to work as an analyst and researcher for Radio Free Europe, eventually becoming Director of the radio’s Estonian Service. From 1993-96 he served as Estonia’s ambassador to the United States. In 1996 he was appointed country’s Minister of Foreign Affairs, a post he held until 1998, and again from 1999 to 2002. In that time he successfully steered Estonia into the EU and NATO in 2004. He was elected to the European Parliament in 2004, where he served as vice-chairman of the Foreign Affairs committee. He ran for the presidency of Estonia as a joint candidate of the Social Democratic, Conservative and Liberal Parties and was elected in 2006 and re-elected in 2011. Ilves used his office to further to the country’s leadership in digital governance as well as in cyber security. Since November 2016, Ilves has co-chaired The Global Futures Council on Blockchain Technology, a working group set up by the World Economic Forum focusing on how blockchain technology can be used to improve the security of the internet. Since leaving office Ilves spent three and a half years as a distinguished visiting fellow at Stanford University and the Center for Advance Study in the Behavioral Sciences, while lecturing widely in Europe, Asia, the Middle East and Latin America on the digitization of governance and public services. Most recently he is also advising the WHO-Europe on technological solutions to the Covid-17 pandemic and cross-border health more broadly while teaching at Tartu University in Estonia. Ilves lives on his farm in Estonia. He has four children. His wife Ieva Ilves is advisor on digital affairs for the President of Latvia.

## IMPULSE:



### **Andreas Fahrner**

Head of Analysis Directorate, Federal Intelligence Service BND (Berlin)

Dr. Andreas Fahrner was born in 1965. He has been working for the BND for a long time, and has occupied various positions both in Germany and abroad. At present, he is head of the BND’s Analysis directorate. Dr. Fahrner holds a PhD in Political Sciences from Ludwig Maximilians University Munich.



### **David Willems**

Head Fusion Center at NCSC -The Netherlands (The Hague)

David Willems has been in ICT and Cyber security for over 20 years. He has been working for NCSC NL since 2013 and currently he is the Head of the Fusion Centre. The Fusion Centre is the multi-disciplinary operational coordination point of NCSC-NL which was set up several years ago.

## SPEAKERS



### **Oliver Rolofs**

Co-Founder of MCSC Series

Oliver Rolofs is a co-founder of the Munich Cyber Security Conference (MCSC) and runs an owner-managed communications and strategy consultancy. He is also director of the Vienna based Austrian Institute for Strategic Studies and International Cooperation (AISSIC). Prior he worked as Global Head of Media Relations for the strategy consultancy firm Roland Berger. Earlier he was the longstanding Head of Communications for the internationally renowned Munich Security Conference where he also established the cybersecurity and energy security programs. He studied political science, international law and sociology and graduated with a master's degree from the Ludwig Maximilian University of Munich.



### **Matthias Schulze**

Deputy Head at the Security Division of the German Institute for International and Security Affairs SWP (Berlin)

Dr. Matthias Schulze is the deputy head at the security division of the German Institute for International and Security Affairs – SWP, and the co-coordinator of the cyber-research cluster. His research covers numerous topics within the field of international cyber-security, such as the strategic use of cyber-capabilities in international relations, cyber-conflicts, cyber-espionage, information operations, and cyber-crime. He also works on numerous domestic policy-related topics such as encryption, vulnerability disclosure, government hacking, and lawful access. He has participated in various national and international discussions, working groups, and track 1.5 dialogues on cyber-security. He regularly gives talks for relevant cyber-security stakeholders and hosts the perception.de Podcast on these issues. He authored numerous research papers, and commentaries and has been featured in the international media, including The Economist, Deutsche Welle, and German newspapers such as der Spiegel. Previously, he worked for five years at Friedrich-Schiller University in Jena, Germany as a lecturer and research assistant in international relations. In 2015 he was a visiting research scholar at Citizen Lab in Canada. He holds a Ph.D. with magna cum laude from the Friedrich-Schiller University in Jena. His thesis analyzed how the Internet evolved from a cyber-utopia into a cyber-war dystopia.



### **Ieva Ilves**

Advisor on Digital Policy to the President of Latvia (Riga)

Ms Ieva Ilves is a diplomat, an expert on foreign and security policy, digital politics, and cyber security with over 20 years of experience in national and international institutions in Latvia, NATO, and the EU. She has worked as an Adviser to the State Secretary of the Ministry of Defence of Latvia and the Head of the National Cyber Security Policy Coordination Division, as well as has led the establishment of the NATO Centre of Excellence for Strategic Communication in Riga. Ms Ilves has worked for Latvia's joining NATO, in organisation of the 2006 NATO Summit in Riga, as well as representing Latvia in NATO in Brussels and being a Political Advisor to the European Union Special Representative for the South Caucasus, Azerbaijan. Together with the US Ambassador to NATO Mr Kurt Volker, she has compiled and edited a book "Nordic-Baltic-American Cooperation: Shaping the US – European Agenda". She holds a Master's degree in Political Science from the University of Latvia and a Master's degree in International Politics from John Hopkins University, Washington. Ms Ieva Ilves has received the state award, the Cross of Recognition for her distinguished service in organising the NATO Summit.

## SPEAKERS



### Despina Spanou

Head of Cabinet of the Vice-President of the European Commission (Brussels)

Despina Spanou is the Head of the Cabinet of the Vice-President Margaritis Schinas of the European Commission overseeing the European Union's policies on security, migration and asylum, health, skills, education, culture and sports. Her work on security consists in coordinating all areas under the heading of the EU Security Union, ranging from counter-terrorism, cybercrime, cybersecurity to hybrid threats. In this capacity, Ms Spanou coordinates the implementation of the EU Security Union Strategy 2020-2025. Previously, she was Director for Digital Society, Trust and Cybersecurity at the Directorate-General for Communications Network, Content and Technology (DG CONNECT) of the European Commission. Ms Spanou has served as a member of the management board of ENISA, the EU agency for cybersecurity, and of the Steering Board of the Computer Emergency Response Team for the EU Institutions, bodies and agencies (CERT-EU). She is a founding member of the Women4Cyber initiative and advocate for the need for more cybersecurity experts in Europe. Despina Spanou is a member of the Athens Bar Association and holds a Ph.D. in European law from the University of Cambridge. She is of Greek and Cypriot origin.



### Georg Eisenreich

State Minister of Justice, Government of Bavaria (Munich)

Georg Eisenreich studied law at LMU Munich and has been a licensed lawyer in Munich since 2001 (currently not exercised due to a public office). Georg Eisenreich has been a member of the Bavarian Landtag (State Parliament) since 2003. From 2013 to 2018, he was Bavarian Vice-Minister for Education and Religious Affairs, Science and the Arts, from March to November 2018 Bavarian State Minister for the Digital Agenda, Media and Europe. Georg Eisenreich was appointed Minister of Justice on November 12, 2018.



### Pol Morillas

Director of Centre for International Affairs CIDOB (Barcelona)

Pol Morillas is Director of CIDOB (Barcelona Centre for International Affairs). He is a political scientist, holds a PhD in Politics, Policies and International Relations from the Universitat Autònoma de Barcelona (UAB) and a master's in International Relations from the London School of Economics. He has taught at several universities, including the UAB, Blanquerna and ESADE. He is also a member of the Observatori de Política Exterior Europea (IBEI). Previously, he has been Head of the Euro-Mediterranean Policies field at the European Institute of the Mediterranean (IEMed), Coordinator of the Political and Security Committee of the Council of the EU, and Advisor on External Action at the European Parliament. His numerous published research papers for academic journals and think tanks, like his opinion pieces, cover global dynamics, European integration, European foreign policy and Euro-Mediterranean relations, among other subjects. His latest book is *Strategy-Making in the EU. From Foreign and Security Policy to External Action* (Palgrave Macmillan, 2019) and he has co-directed the documentary 'Bouncing Back: world politics after the pandemic' (2021), which proposes a reflection on the dynamics of conflict and opportunities for international cooperation in the post-Covid-19 world. He has also participated in several H2020 research projects such as MENARA, FEUTURE, MEDRESET, EU-LISTCO, EU IDEA and JOINT and collaborates with other think tanks and international organisations. He regularly collaborates with various media outlets (press, radio and TV) as a European and international affairs analyst.

## SPEAKERS



### Carolin Busch

Senior Manager at Atos (Munich)

Carolin holds a Master's degree in Comparative and International Studies from ETH Zurich and a PhD from the University of the Federal Armed Forces in Munich. She wrote her dissertation on Germany's strategic culture and how it changed with the Bundeswehr's deployment to Afghanistan. Carolin specializes in military capability development with a focus on the Cyber and Information Domain. For many years, she has advised armed forces on how to analyze the information environment or detect disinformation. For that, she has contributed to new processes and tools, e.g. for the Bundeswehr Center of Operative Communication, and contributed to the conceptual foundations of the Cyber and Information Domain Service Headquarters (KdoCIR). She is currently a Senior Manager for Atos Information Technology.



### Volker Poetzsch

Branch Chief Cyber/IT at the Federal Ministry of Defence (Berlin)

Since April 1st of 2020, Colonel (GS) Dr. Pötzsch serves as Branch Chief Cyber/ IT I 3 in the German Ministry of Defence. His branch is responsible for the Capability Portfolio Management, Architecture Management, as well as Plans and Budgets concerning the Cyber/IT-portfolio of the Bundeswehr. Colonel (GS) Dr. Pötzsch joined the Bundeswehr in 1993 as an officer candidate and studied at the Bundeswehr University in Munich. He has a masters degree in computer science as well as a PhD in applied systems analysis and operations research. Colonel (GS) Dr. Pötzsch held different positions in the German Air Force, the Joint Support Service, the Cyber and Information Domain Service as well as the German Ministry of Defence. He served as commanding officer of Training Wing A of the Bundeswehr C2 Support School al Lechfeld Airbase between 2010 and 2012 and of the German Air Force Technical Training Centre, Branch South, at Kaufbeuren Airbase between 2014 and 2017. From 2017 to 2020 he was the chief of staff of the Bundeswehr CIS Command in Bonn. He participated in the 2.Joint General and Admiral Staff course at the Bundeswehr Command and Staff College in Hamburg and the 2016 Core Course on Security Policy at the Federal Academy for Security Policy in Berlin. Colonel (GS) Dr. Pötzsch is married to Dr. Franziska Armbruster and has two daughters. He currently lives in Freising, close to the Bavarian capital of Munich.



### Christopher C. Krebs

Co-Founder and Partner KS Group (Washington D.C.)

Christopher Krebs is Founding Partner of the Krebs Stamos Group and Chair of the Commission on Information Disorder at the Aspen Institute as well as founding partner of the Krebs Stamos Group. He previously served as the first director of the Department of Homeland Security's (DHS) Cybersecurity and Infrastructure Security Agency (CISA) where he oversaw the Agency's efforts to manage risk to the nation's businesses and government agencies, bringing together partners to collectively defend against cyber and physical threats. Before serving as CISA Director, Mr. Krebs was appointed in August 2017 as the Assistant Secretary for Infrastructure Protection. Mr. Krebs joined the DHS in March 2017, first serving as Senior Counselor to the Secretary. Prior to coming to DHS, he led Microsoft's U.S. cybersecurity policy efforts. Mr. Krebs holds a bachelor's degree in environmental sciences from the University of Virginia and a J.D. from the Antonin Scalia Law School at George Mason University.

## SPEAKERS



### Helmut Klarer

Group Enterprise Information Security Architect, ÖBB Holding (Vienna)

Helmut Klarer, as member of the Strategic Group IT Management division of ÖBB-Holding AG since 2018, manage strategic concepts. The strategic manager, who holds a Master degree in business economic and telecom technologies also member in national and international cybersecurity communities. Mr Klarer embarked on his professional career as industrial automation technology manager for the operational infrastructure department. Up from 2010, as asset- and lifecycle manager he merges organisational and HR conditions to the automation and SCADA renewing process, forces industrial IT/OT security for critical infrastructure. Since this time, he is active member of private and governmental cybersecurity communities in Austria. As information security officer, and later as Group Chief Enterprise Architect for OT, Network, 5G and IoT, he started modifying OT environment to reducing overall cost. He managed strategic agendas for digitisation of the company with a specific focus to stakeholder strategy, availability, security and safety. In his today's position, Mr Klarer is responsible for the strategic converge of security, Enterprise Architecture, standards and operation ("big-picture"). For the Group-CIO as well as responsible departments, he prepares external interests and views with the digital business strategy of ÖBB Group as well as shareholder orientation within the Group.



### Geoff Brown

Former CISO of the City of New York (New York)

Geoff Brown was Chief Information Security Officer for the City of New York between 2016 and 2022, a position focused on cybersecurity and aggregate information risk across all 100+ NYC departments and agencies. In July 2017, Mayor de Blasio established New York City Cyber Command, an agency led by Geoff, reporting to City Hall, and charged with consolidating and leading the City's enterprise cybersecurity strategy, inclusive of building NYC Cyber Command itself, and through this new agency setting Citywide cybersecurity policies; directing response to cyber incidents; rationalizing the City's cybersecurity spend and cyber defense technology footprint, and advising City Hall, agencies and departments on the City's overall cyber defense. In January 2022 Geoff joined Recorded Future charged with driving forward a unified impact from the company's premiere cyber threat intelligence platform for global governments and corporations, and with gathering together an intelligence council of practitioner advisors collectively interested in a safer digital world. Prior to Recorded Future, Geoff is a graduate of Middlebury College, and continues his relationship with Middlebury today as a visiting professor in the Nonproliferation and Terrorism Studies Department at the Middlebury Institute for International Studies in Monterey, CA.



### Jochen Eisinger

Director of Engineering, Chrome Trust & Safety, Google (Munich)

Jochen is a Director of Engineering at Google, currently responsible for making Chrome the most trustworthy and safest tool for browsing the web. He has worked on various parts of Chrome for the past 12 years, starting as a software engineer in the Munich Chrome team working on privacy features. Prior to joining Google, he worked as a postdoc fellow at UBC in Vancouver. He received a PhD from the University of Freiburg in 2009 working on automata theory.

## SPEAKERS



### Gregor P. Schmitz

RTL Group (Hamburg)

Gregor is in a leading position with RTL Deutschland/Gruner + Jahr, the newly formed German media giant. Prior to that, he was editor-in-chief of Augsburgener Allgemeine, with a daily circulation of more than 300.000 one of the largest German dailies. Previously, he served as Berlin bureau chief for "Wirtschaftswoche", the leading German business daily and as Europe correspondent for DER SPIEGEL, Germany's newsmagazine, in Brussels - and from 2007 to 2013 as Washington correspondent for the magazine, covering the White House and two presidential campaigns. Gregor was part of SPIEGEL's WikiLeaks and NSA coverage and was awarded the prestigious Arthur F. Burns and Henri Nannen Prize for his reporting. His best selling 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 ten languages worldwide. Before starting his work with SPIEGEL, Gregor headed the Brussels Office of Bertelsmann Foundation, one of Europe's largest think tanks. He is a graduate of Harvard University (MPA) and Cambridge University (MPhil) and holds a law degree from Munich University. He also studied at Sciences-Po Paris and earned a doctorate in political science. In addition to his writing, Gregor is a frequent radio and TV commentator. He is also 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. He was named "Editor-in-Chief 2020" and a "Journalist of the Year" by Germany's leading media publication Medium Magazin three years in a row.



### Christopher Ahlberg

CEO and Founder of Recorded Future (Boston)

Dr. Christopher Ahlberg is the CEO of Recorded Future, Inc. (the world's largest intelligence company) and Chairman of Hult International Business School. He advises a series of start up companies. Earlier Ahlberg was the president of the Spotfire Division of TIBCO, which he founded in 1996 and in 2007 sold to TIBCO (Nasdaq: TIBX). Spotfire was founded based on his ground-breaking research on information visualization. Dr. Ahlberg earned his doctorate from Chalmers University of Technology, worked as a visiting researcher at the University of Maryland, and has lectured and consulted extensively for industry, academia, military, and intelligence communities - as well as published & lectured in computer science, cyber security, psychology, linguistics, biology, and chemistry. He has five granted software patents, and multiple pending. Dr. Ahlberg was named among the World's Top 100 Young Innovators by Technology Review, MIT's Magazine of Innovation in 2002. He is a member of the Royal Swedish Academy of Engineering Sciences.



### Markus Junginger

Group CIO at OHB (Bremen)

Dr. oec. Markus Junginger is Group CIO at OHB SE, a leading German space company, and managing director of OHB Infosys GmbH. In his role he is in charge to drive digitalization throughout the OHB group and to develop OHB Infosys as internal service provider for reliable, state of the art and secure IT services for OHB affiliates. Until 2019 he was Vice President of Applications at Festo, a leading German Manufacturer of Industry Automation Equipment. Previously he was in charge of different IT management positions at Festo, among others Vice President Information Systems Americas, located in Hauppauge, NY. He received his PhD and Diploma from the faculty of economics at the University of Hohenheim, Stuttgart.

## SPEAKERS



### Mary O'Brien

General Manager at IBM Security (Armonk, NY)

Mary O'Brien is the General Manager of IBM Security, the largest enterprise security company in the world. She leads a global team, focused on delivering IBM's extensive security product and services portfolio. She is a strategic partner to many CEOs, CISOs, and CIOs on cybersecurity, AI, and IT strategy. Before taking over as head of the IBM Security unit, Mary led Research and Development for the division. Having joined IBM in 2007, she spent her time making sure the research, proof of concepts and thought leadership evolved into viable products. In charge of progressing IBM's security portfolio, she examined which incubators had the potential for success and aligned with IBM's strategy to manage those products all the way through to delivery and support in the field. A lifelong engineer, Mary's career started with the last indigenous Semiconductor manufacturer in the UK. In 1994, she joined the Motorola GSM systems division and developed her skills in ASIC, PBC and Software development of telco products. Mary earned her Bachelor's in Engineering from Dublin City University. With more than 30 years of industry experience developed through tenures in the UK, US and Ireland, Mary spends a lot of her time mentoring others and ensures that those who work for her have mentors as well. She is a passionate fan of all local sports teams and enjoys running and swimming in her spare time. She is a self-proclaimed "foodie," and a keen gardener that grows her own vegetables. Mary currently resides in Ireland with her family but frequently makes trips to the IBM Security headquarters in Cambridge, MA.



### Sandra Joyce

Executive Vice President, Mandiant Intelligence & Government Affairs (Washington D.C.)

As Executive Vice President, Sandra oversees intelligence collection, research, analysis, publication and services for the Mandiant security product portfolio. Sandra also oversees government relations and public policy development. Her background includes positions in intelligence research, product management, and business development over the course of over 24 years in both national security and commercial industries. As a Lieutenant Colonel in the U.S. Air Force Reserve, Sandra serves as a faculty member at the National Intelligence University. Sandra is currently pursuing her PhD at Johns Hopkins SAIS and holds an MBA at MIT. She holds four additional master's degrees in cyber-policy, international affairs, science and technology intelligence, and military operational art and science. Sandra speaks English, Spanish and German and lives in Virginia.



### Valentin Weber

Research Fellow, German Council on Foreign Relations DGAP (Berlin)

Valentin Weber is a research fellow at the German Council on Foreign Relations. His research covers the emergence of cyber norms, the geopolitics of cyberspace, advanced surveillance technologies, and, more broadly, the intersection between cyber and national security. In 2019, Weber was an open technology fund senior fellow in information controls with the Berkman Klein Center for Internet and Society at Harvard University. He has also successfully passed the PhD examinations in cyber security at the University of Oxford. Weber appeared in major news outlets including Die Zeit, Deutsche Welle, South China Morning Post as well as the Associated Press and contributed to a White Paper for the US Joint Chiefs of Staff.

## SPEAKERS



### Achim Berg

President of German Digital Association 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 Area Vice President Germany, then as Corporate Vice President for the Windows Phone division at the U.S. corporate headquarters. Prior to this, Berg sat on the Executive Board of Deutsche Telekom T-Com, where he was responsible for the marketing and sales of landlines. From 1999 to 2001, Berg was CEO of Fujitsu Siemens Computers GmbH. Between 1995 and 1999 he held successive executive positions in Sales at Dell Germany and Bull AG. Berg is also President of BITKOM, Germany's Federal Association for Information Technology, Telecommunications and New Media. He holds several board seats, eg FLIX Mobility, Giesecke & Devrient, Pro7/Nucom, Powercloud, staffbase, anydesk. Berg completed his studies in computer science in 1989 in Cologne.



### Sven Weizenegger

Head of Bundeswehr Cyber Innovation Hub (Berlin)

Sven Weizenegger has been the head of the Bundeswehr Cyber Innovation Hub - the digital innovation unit of the German armed forces - since June 2020. His tasks include, in particular, top stakeholder management with federal ministers and state secretaries as well as the overall strategic and technological orientation of the CIHBw. The CIHBw is the first military digital innovation unit in Europe and a role model for comparable units in other German federal ministries and agencies. Previously, Weizenegger held various leadership positions in nationally and internationally active corporations and startups. As Deutsche Telekom's first official hacker, he rose to the board level, where he helped develop a new business unit and initiated and was responsible for end-to-end global collaborations with startups. Most recently, he successfully built up the award-winning cybersecurity specialist Perseus as co-founder and CEO. His many years of experience and extensive expertise in both the public and private sectors are crucial for establishing and fostering an innovative startup culture in the Bundeswehr.



### Ralf Schneider

Group CIO at Allianz (Munich)

Ralf Schneider is Allianz Group CIO since October 2010. From 2010 until 2016, he also held the position as Board Member for IT of Allianz Technology SE. Before that, he had been CIO of Allianz Germany (Allianz Deutschland AG) for five years. In his 26 years with Allianz (since 1995), Schneider has had several executive positions in the IT area, e.g. department head of "Allianz Sales Information Systems" or division head of "E-Business and Project Controlling Germany". Besides his career at Allianz, Ralf Schneider holds senior mandates in several Cyber Security related organizations like "Cyber Security Sharing & Analytics (CSSA) e.V.", the "Deutsche Cyber Sicherheitsorganisation" (DCSO) as well as the Digital Society Institute (DSI) of the ESMT in Berlin. He is also engaged as Vice Chairman in the German Federal Association of IT Users (VOICE e.V.), as a senator of the National Academy of Science and Engineering (Acatech) and as an advisor of the German National research Center of applied Cybersecurity Athene. Ralf Schneider graduated in mathematics and holds a doctor's degree in computer science.

## SPEAKERS



### Wolfgang Hackenberg

General Manager Nokia Germany (Munich)

Dr. Wolfgang Hackenberg is Speaker of the Board of Management of Nokia Solutions and Networks GmbH & Co. KG and Nokia's Country Manager for Germany. In addition, he is a member of the Executive Board at Bitkom, Germany's Digital Association, and he co-chairs the Digital Group at BDI, the Federation of German Industries. He is also a founding board member of the Security Network Munich. From 2015 to 2019, he led Nokia's business first in the West Europe region, which included UKI, France, Benelux, Germany, Poland, as well as the Nordic and Baltic countries, and later the business with Deutsche Telekom. Wolfgang joined Nokia in 2013 as Head of the Global Account Vodafone, with responsibility for all business with Vodafone worldwide. Prior to joining Nokia, he held senior positions with Alcatel-Lucent, including Head of the Global Account Vodafone. Before that, he was responsible for the enterprise business first in Germany, then for the Asia-Pacific region covering China, Japan, Asia, India, Australia and New Zealand, based in Shanghai, China. Before 2005, he held various sales and product management roles with Siemens, Compaq and Cisco in the enterprise and telecommunications services provider markets in Germany and Asia. Originally, he started his career in Aerospace. Wolfgang grew up in Germany and France and holds a Master's degree and a Ph.D. in Semiconductor Physics from the University of Cambridge, England. He is fluent in German, English and French and lives with his family in Munich.



### Claudia Eckert

Executive Director of Fraunhofer AISEC and Deputy Chairwoman of Security Network Munich (Munich)

Prof. Dr. Claudia Eckert holds the Chair for IT Security in the Department of Computer Science at TUM and is Director of the Fraunhofer Research-Institute for Applied and Integrated Security (AISEC) in Munich with over 200 researchers. She has over 30 years of R&D experience in the field of IT security. Her main research interests in basic and applied research focus on new methods and technology to increase (embedded) system and application security, and on research to increase the resilience and robustness of systems against attacks. Mrs. Eckert is member of several industrial and academic advisory boards.



### Roland Weigert

State Vice Minister of Economic Affairs (Munich)

Roland Weigert was born in 1968 and grew up in Hohenried in the district of Neuburg-Schrobenhausen in Upper Bavaria. After passing his A levels and finishing his training as a wholesale and foreign trade merchant, he joined the Federal Armed Forces in 1990 as an officer. At the same time, Roland Weigert studied Business and Organizational Sciences at the University of the Federal Armed Forces in Munich and graduated with a diploma degree in Business Administration "Dipl.-Kaufmann (Univ.)". From 1999, he worked as economic officer in the district of Neuburg-Schrobenhausen and was elected in 2008 Administrative Head of District of Neuburg-Schrobenhausen. He held this position for more than 10 years and left this position after his election to the Bavarian State Parliament in 2018. In 2018, Roland Weigert became Vice Minister and member of the Bavarian State Government.

# INFORMATION SECURITY FORUM (ISF)

Founded in 1989, the Information Security Forum (ISF) is an independent, not-for-profit organisation with a Membership comprising many of the world's leading organisations featured on the Fortune 500 and Forbes 2000 lists. It is dedicated to investigating, clarifying and resolving key issues in information security and risk management, by developing best practice methodologies, processes and solutions that meet the business needs of its Members.



## THREAT HORIZON 2024

The disintegration of trust



### Threat Horizon 2022

Digital and physical worlds collide

- 1.1 Augmented attacks distort reality
- 1.2 Behavioural analytics trigger a consumer backlash
- 1.3 Robo-helpers help themselves to data
- 2.1 Edge computing pushes security to the brink
- 2.2 Extreme weather wreaks havoc on infrastructure
- 2.3 The internet of forgotten things bites back
- 3.1 Deepfakes tell true lies
- 3.2 The digital generation become the scammer's dream
- 3.3 Activists expose digital ethics abuse

### Threat Horizon 2023

Security at a tipping point

- 1.1 Artificial intelligence industrialises high-impact attacks
- 1.2 Automated defences backfire
- 1.3 Layered security causes complacency and confusion
- 2.1 Digital doppelgängers undermine identity
- 2.2 Biological data drives a rash of breaches
- 2.3 Gamed algorithms cause commercial confusion
- 3.1 Smart grids succumb to an attack surge
- 3.2 Isolationism creates a security disconnect
- 3.3 Security struggles to adjust to the never normal

### Threat Horizon 2024

The disintegration of trust

- 1.1 Ransomware evolves into triple extortion
- 1.2 Regulators inhibit data-driven innovation
- 1.3 Attackers undermine central cryptocurrencies
- 2.1 The cloud risk bubble bursts
- 2.2 Activists pivot to cyber space
- 2.3 Misplaced confidence disguises low-code risks
- 3.1 Attackers poison the data well
- 3.2 Misleading signals subvert cyber fusion centres
- 3.3 Digital twins double the attack surface

## ACKNOWLEDGMENTS

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## SECURITY NETWORK MUNICH

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

The Security Network Munich (Sicherheitsnetzwerk München) is an association of leading players, organisations and research institutes in the field of information and cyber security in the greater Munich area. Our goal is to foster industry cooperation through joint research and innovation projects. Our members meet regularly to discuss pressing industry challenges with government and research institutions. We also convey the industry's insights and concerns to a political and broader societal audience, through education and communication, spreading awareness of the importance of information security.

Set up as a project funded by the Bavarian Ministry of Economic Affairs ten years ago, the network founded the non-profit association "Sicherheitsnetzwerk München e.V." in January 2019. The new association will promote cooperation and exchange among its members across different industries and academia, foster innovation projects and education initiatives directed especially to students and young adults. The Security Network Munich is committed to engage -together with its partners- in awareness and best practice campaigns with special emphasize on SMEs.

For more information on the network and membership, please visit <https://it-security-munich.net>.