

## **Digital Society Conference 2018: Empowering Ecosystems**

December 10-11, 2018

ESMT Berlin

Schlossplatz 1, 10178 Berlin

The Digital Society Conference 2018 - Empowering ecosystems will cover new developments in security and privacy, digital politics, and industrial strategies. A particular focus will be the reality of the rise of AI - its societal implications, how to understand and harness the battle for AI dominance. And we will take a closer look at platforms - their role, their power, how to build them and how and when to control them. We have outstanding speakers and contributors from strategy, tech and politics and want you to join us in our quest.

The conference will bring two days of technical and political panels, presentations, and workshops, giving you many different perspectives from science, industry and governments and including speakers from MIT, NATO, Oxford University, Tel Aviv University, the AI Initiative of The Future Society, the German Bundestag, and many more.

### **Program**

#### **Day 1, December 10, 2018**

##### **10.00 - 11.00 REGISTRATION**

*Entrance Hall*

##### **11.00 - 12.30 OPENING SESSION**

*Auditorium Maximum*

##### **WELCOME**

- Prof. Jörg Rocholl, PhD, President of ESMT Berlin and EY Chair in Governance and Compliance
- Dr. Sandro Gaycken, Director, Digital Society Institute Berlin

## **KEYNOTES**

- Ambassador Dr. Thomas Fitschen, Director for the United Nations, International Cyber Policy and Counter-Terrorism, German Federal Foreign Office
- Evgeny Morozov, Publicist and Internet theorist
- Holger Friedrich, Managing Director, CORE SE

## **12.30 - 12.45 BREAK**

### **12.45 - 13.45 SENIOR PANEL DISCUSSION: Platform Ecosystems**

*Auditorium Maximum*

- Peter Albiez, CEO, Pfizer Germany
- Stefan Betzold, Managing Director, BILD Digital
- Holger Friedrich, Managing Director, CORE SE
- Evgeny Morozov, Publicist and Internet theorist
- Moderator: Martin Schallbruch, Deputy Director, Digital Society Institute, ESMT Berlin

## **13.45 - 14.45 LUNCH**

### **14.45 – 15.00 KEYNOTE: Dr. Herb Lin, Senior Research Scholar, Center for International Security and Cooperation & Hank J. Holland Fellow, Hoover Institution, Stanford University**

*Auditorium Maximum*

## **15.00 – 16.00 CONCURRENT PANEL & SESSIONS I**

### ***SENIOR PANEL DISCUSSION: Cyber Weapons - What Are They and How Should They Be Regulated?***

*Auditorium Maximum*

- Pablo Breuer, Director, Donovan Group, US Special Operations Command
- Dr. Herb Lin, Senior Research Scholar, Center for International Security and Cooperation, Stanford University
- Dr. Catherine Lotrionte, Brent Scowcroft Scholar, Scowcroft Center for Strategy and Security

- Moderator: Dr. Sandro Gaycken, Director, Digital Society Institute, ESMT Berlin

***SESSION: Trusted Platforms – Interoperability and Cooperation***

*Auditorium 2*

- Dr. Dirk Woywod, CTO, VERIMI GmbH
- Bernd Kowalski, Head of Division, German Federal Office for Information Security

**16.00 - 16.15 BREAK**

**16.15 – 17.15 CONCURRENT WORKSHOP & SESSION II**

***WORKSHOP: AI in Cybersecurity – Technical, Strategic and Global Aspects***

*Auditorium Maximum*

- Prof. Isaac Ben-Israel, Professor, Tel Aviv University & Chairman, Israel Space Agency
- Prof. Yuval Shavitt, Professor, Tel Aviv University
- Dr. Lior Tabansky, Director, Blavatnik Interdisciplinary Cyber Research Center, Tel Aviv University

***SESSION: Too Slow For Digital? Will Germany be a Global Player in the Coming Industrial Shifts?***

*Auditorium 2*

- Dr. Ralf Schneider, Group CIO, Allianz
- Max Orgeldinger, Managing Director, TLGG Consulting

**17.15 - 17.45 COFFEE BREAK**

**17.45 – 19.00 CONCURRENT PANEL & SESSION III**

***SENIOR PANEL DISCUSSION: How Can Policy Makers Foster Trustworthy Digital Platforms***

*Auditorium Maximum*

- Saskia Esken, Member of the German Bundestag, SPD
- Thomas Heilmann, Member of the German Bundestag, CDU/CSU

- Dieter Janecek, Member of the German Bundestag, Bündnis 90/Die Grünen Bündnis 90/Die Grünen
- Moderator: Martin Schallbruch, Deputy Director, Digital Society Institute, ESMT Berlin

***SESSION: Cybersecurity in a Global Context***

*Auditorium 2*

- Dr. Pavel Karasev, Institute for Information Security Issues, Lomonosov Moscow State University
- Dr. Anatoly Streltsov, Deputy Director, Institute of Information Security Issues, Lomonosov Moscow State University and Member of the Presidium of National Association of International Information Security
- Dr. Ide Tatsuo, Institute for Future War Studies at Command & Staff College

**Day 2, December 11, 2018**

**08.30 - 09.15 REGISTRATION**

*Entrance Hall*

**09.15 - 09.30 KEYNOTE: Bruce Schneier, CTO, IBM Resilient and Special Advisor, IBM Security**

*Auditorium Maximum*

**9.30 - 10.30 CONCURRENT PANEL & WORKSHOP I**

***SENIOR PANEL DISCUSSION: Military Cyber Defense***

*Auditorium Maximum*

- Pablo Breuer, Director, Donovan Group, US Special Operations Command
- Prof. Paul Cornish, Chief Strategist, Cityforum Public Policy Analysis and Director, Coracle Analysis Ltd.
- Prof. Chris C. Demchak, RDML Grace M. Hopper Professor and Chair of Cyber Security, US Naval War College
- Dr. Michael Klipstein, Army Cyber Institute, United States Military Academy West Point
- Bruce Schneier, CTO, IBM Resilient; and Special Advisor, IBM Security
- Moderator: Dr. Sandro Gaycken, Director, Digital Society Institute, ESMT Berlin

***CLOSED WORKSHOP: Das neue Rahmenwerk der EU-Cybersicherheits-Zertifizierung - Zertifizierung als Herausforderung und Chance für mehr Cybersicherheit in Europa (in German)***

*Garden View*

## **10.30 - 11.00 COFFEE BREAK**

## **11.00 – 12.00 CONCURRENT PANEL, SESSIONS & WORKSHOP II**

### ***SENIOR PANEL DISCUSSION: Cybersecurity Ecosystems***

*Auditorium Maximum*

- Clemens Binninger, Founder and Managing Director, binninger & binninger GmbH, former Member of the German Bundestag and Chairman of the Parliamentary Control Panel
- Heiko Löhr, Head of the Cybercrime Department, German Federal Criminal Police Office
- Bodo Meseke, Partner, EY
- Eva Schulz-Kamm, Head of Global Government Affairs, Siemens
- Moderator: Henning Lahmann, Senior Researcher, Digital Society Institute, ESMT Berlin
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### ***SESSION: Fake News Versus Censorship: How can democracies regulate the Information Battle***

*Auditorium 2*

- Prof. David Mussington, Director, Center for Public Policy and Private Enterprise, School of Public Policy, University of Maryland
- Dr. Tatiana Tropina, Senior Researcher, Max Planck Institute for Foreign and International Criminal Law

### ***SESSION: The Reality of AI***

*Auditorium 4*

- Prof. Philippe Baumard, École Polytechnique Paris
- Prof. Ralf Möller, Head of the Institute of Information Systems, University of Lübeck

### ***CLOSED WORKSHOP: Das neue Rahmenwerk der EU-Cybersicherheits-Zertifizierung - Zertifizierung als Herausforderung und Chance für mehr Cybersicherheit in Europa (in German)***

*Garden View*

## **12.00 - 12.15 BREAK**

**12.15 - 12.30 KEYNOTE: Ambassador Dr. Sorin Ducaru, Senior Fellow, Hudson Institute, Special Advisor, Global Commission on the Stability of Cyberspace**

*Auditorium Maximum*

**12.30 – 13.30 CONCURRENT PANEL, SESSIONS & WORKSHOP III**

***SENIOR PANEL: The Future of Cyber Norms***

*Auditorium Maximum*

- Ambassador Dr. Thomas Fitschen, Special Representative for International Cyber Foreign Policy and Cyber Security at the German Federal Foreign Office
- Ambassador Dr. Sorin Ducaru, Senior Fellow, Hudson Institute, Special Advisor, Global Commission on the Stability of Cyberspace
- Prof. David Mussington, Director, Center for Public Policy and Private Enterprise, School of Public Policy, University of Maryland
- Moderator: John Mallery, Computer Science & Artificial Intelligence Laboratory, Massachusetts Institute of Technology

***SESSION: New Bug Classes and New Hardware Architectures***

*Auditorium 2*

- Dr. Daniel Gruss, Assistant Professor, Graz University of Technology
- Markus Hölscher, Business Development Hensoldt Cyber GmbH

***SESSION: Public Private Cooperation in Digital Ecosystems***

*Auditorium 4*

- Thomas Losse-Müller, Partner, EY
- Henning Lahmann, Senior Researcher, Digital Society Institute, ESMT Berlin
- Patrick Bott, Cyber Security for the Economy and Society, Federal Ministry of the Interior, Building and Community

***CLOSED WORKSHOP: Das neue Rahmenwerk der EU-Cybersicherheits-Zertifizierung - Zertifizierung als Herausforderung und Chance für mehr Cybersicherheit in Europa (in German)***

*Garden View*

**13.30-14.30 LUNCH**

## 14.30 – 15.30 CONCURRENT PANELS, SESSION & WORKSHOP IV

### ***PANEL: Digital Capacity Building***

*Auditorium Maximum*

- Heli Tiirmaa-Klaar, Ambassador at Large for Cyber Diplomacy, Estonian Ministry of Foreign Affairs
- Mihoko Matsubara, Chief Cybersecurity Strategist, NTT Japan
- Emmanuel Vitus, Afrotribune
- Moderator: Isabel Skierka, Researcher, Digital Society Institute, ESMT Berlin

### ***SESSION: Authoritarian versus Democratic States in AI, Hybrid Warfare and Cyberwar: Is There an Asymmetry?***

*Auditorium 2*

- Rafal Rohozinski, CEO, SecDev Group
- John Mallery, Computer Science & Artificial Intelligence Laboratory, Massachusetts Institute of Technology
- Prof. Chris C. Demchak, RDML Grace M. Hopper Professor and Chair of Cyber Security, US Naval War College

### ***PANEL: Disruptive Innovations in Cybersecurity: How to Get There?***

*Auditorium 4*

- Prof. Dr.-Ing. Christof Paar, Chair for Embedded Security, Ruhr University Bochum
- André Reichow-Prehn, Head of Program Cyber, Rheinmetall Defence
- Andreas Reisen, Federal Ministry of the Interior
- Moderator: Dr. Georg Becker, Senior Researcher, Digital Society Institute, ESMT Berlin

*Garden View*

***CLOSED WORKSHOP: Das neue Rahmenwerk der EU-Cybersicherheits-Zertifizierung - Zertifizierung als Herausforderung und Chance für mehr Cybersicherheit in Europa (in German)***

**15.30-15.45 BREAK**

**15.45 - 17.00 CONCURRENT KEYNOTES & PANELS**

**15.45 – 16.00 KEYNOTE: Prof. Allan Dafoe, Director, Governance of AI Program, Future of Humanity Institute, University of Oxford**

*Auditorium Maximum*

**16.00 – 17.00 SENIOR PANEL DISCUSSION: The Role of the Private Sector in AI Governance**

*Auditorium Maximum*

- Prof. Philippe Baumard, École Polytechnique Paris
- Prof. Allan Dafoe, Director, Governance of AI Program, Future of Humanity Institute, University of Oxford
- Gosia Loj, AI Global Governance Lead, Big Innovation Centre
- Ludwig Siegele, Federal Foreign Office
- Yolanda Lannquist, AI Policy Researcher, The Future Society

**15.45 – 16.00 KEYNOTE: Prof. Udo Helmbrecht, Executive Director, European Union Agency for Network and Information Security (ENISA)**

*Auditorium 4*

**16.00 - 16.15 KEYNOTE: Dr. Dirk Stenkamp, Chairman, Board of Management, TÜV NORD AG**

*Auditorium 4*

**16.15 – 17.00 SENIOR PANEL DISCUSSION: The EU Cybersecurity Framework**

*Auditorium 4*

- Prof. Udo Helmbrecht, Executive Director, European Union Agency for Network and Information Security (ENISA)
- Dr. Dirk Stenkamp, Chairman, Board of Management, TÜV NORD AG

**17.00 - 17.30 COFFEE BREAK**

**17.30 - 17.45 KEYNOTE: Dr. Amandeep S. Gill, Executive Director & Co-Lead, UN Secretary-General's High Level Panel on Digital Cooperation**

*Auditorium Maximum*



**17.45 - 18.45 SENIOR PANEL DISCUSSION: *Artificial Intelligence Beyond Our Imagination***

- Polina Aronson, Editor, openDemocracy Russia
- Dr. Kate Devlin, Senior Lecturer in the Department of Digital Humanities, King's College London
- Christoph Hinske, Founder/CEO, The Engagement Company
- Dr. Jean-Marc Rickli, Head, Global Risks and Resilience, Emerging Security Challenge Programme, Geneva Centre for Security Policy
- Moderator: Dr. Lydia Kostopoulos, Senior Researcher, Digital Society Institute, ESMT Berlin

**18.45 - 19.00 CLOSING SESSION**

- Dr. Sandro Gaycken, Director, Digital Society Institute, ESMT Berlin