



The Seventh European Multidisciplinary Conference on Global Internet Governance Actors, Regulations, Transactions and Strategies

GIG-ARTS 2023 – 15-16 May 2023, Padova

**“The Governance of Cybersecurity:
Resilience, Human Rights and Democracy”**

**Archivio Antico, Università degli Studi di Padova
Via VIII Febbraio, 2, 35122 Padova, Italy**



GIG-ARTS 2023 Organizing Committee

Joanna Kulesza (Łódź Cyber Hub, University of Łódź, Poland), **Meryem Marzouki** (Global Internet Governance & Digital Rights Expert, France), **Claudia Padovani** (Department of Political Science, Law and International Studies - SPGI, University of Padova, Italy), **Maria Stella Righettini** (Department of Political Science, Law and International Studies - SPGI, University of Padova, Italy), **Mauro Santaniello** (Internet & Communication Policy Centre, University of Salerno, Italy)

GIG-ARTS 2023 Co-Organizers and Co-Sponsors



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Under the Patronage of Università degli Studi di Padova

Programme

Day 1 – Monday 15 May 2023

09:00-09:30 – Registration and Welcome of Participants

09:30-10:00 – Welcome Session

Speakers: TBA

10:00-11:00 – Keynote Session – New Frontiers of Cybersecurity Governance

Keynote Speaker: Laura DeNardis, Professor and Endowed Chair in Technology, Ethics, and Society, Georgetown University, Washington DC, USA

Chair: Meryem Marzouki, Global Internet Governance & Digital Rights Expert, Paris, France

Description: Cybersecurity is already a great human rights issue of our time, necessary for democracy, economic stability, privacy, and national security. As the internet leaps from digital screens into both infinitesimally small objects and astronomically large spaces, cybersecurity governance also moves into new, even more consequential spaces. In this keynote address, Dr. DeNardis explores three of these new cyber terrains - quantum-internet entanglements, the internet of things, and the emerging solar system internet - and examines how cybersecurity governance must adapt to shape a resilient and ethical human future.

11:00-11:30 – Coffee Break

11:30-13:00 – Presentations Session 1 – Cybersecurity Public Policies: Case studies from Italy, Estonia and South Africa

Chair: Maria Stella Righettini, Associate Professor of Public Policy and Performance Evaluation, University of Padova, Italy

▪ **Digital (siege) State. The Digitization of Italian Public Administration and Cybersecurity**

Giuseppe Borriello and Gaia Fristachi, University of Naples Federico II, Italy

▪ **Absorption Capacity and Policy Learning to Foster Cybersecurity Sustainability in the Public Sector**

Giancarlo Vecchi and Jonathan Kamkhaji, Politecnico di Milano, Italy

▪ **The Evolution of Cybersecurity Policy in Italy: How Does Post-Crisis Learning Work?**

Simone Buseti and Francesco Maria Scanni, University of Teramo, Italy

▪ **Government Decision-Making in the Aftermath of Cybersecurity Crises Affecting e-Governance: Lessons from Estonia**

Logan Carmichael, University of Tartu, Estonia

▪ **For Your Own Good: Securitisation and Digital Exclusion of People with Disabilities in South Africa**

Lorenzo Dalvit, Rhodes University, South Africa

13:00-14:30 – Lunch

14:30-16:30 – Stakeholders Roundtable – Cyber Resilience and the Geopolitics of Cybersecurity

Co-Chairs: Joanna Kulesza, Professor of International Law, University of Lodz, Poland & Director of Lodz Cyber Hub, and **Mauro Santaniello**, Assistant Professor of Internet Governance and Digital Policy, University of Salerno, Italy

Speakers:

▪ **Berna Akcali Gur**, Queen Mary University London, United Kingdom

▪ **Antonio Belli**, Information Security and Privacy Specialist, Infocamere (Chambers of Commerce's Digital Innovation Company), Italy

▪ **Louise Marie Hurel**, Founder, Latin American Cybersecurity Research Network (LA/CS Net)

▪ **Vincenzo Loia**, Rector, University of Salerno & President, SERICS (SEcurity and RIghts In the CyberSpace), Italy

- **Robin Mansell**, Professor Emerita, Department of Media and Communications, London School of Economics and Political Science, United Kingdom
- **Carlo Mauceli**, Chief Technology Officer, Microsoft Italy
- **Kavé Salamatian**, Professor of Computer Science, University of Savoie-Mont Blanc, France & Maritime cybersecurity chair, Tallinn University of Technology, Estonia

Description: Cybersecurity remains a hotly debated geopolitical issue: closely linked to national defense, surveillance and espionage, innovation, and human rights, it has become the lens to view the state of the world. Different approaches have emerged to cybersecurity issues from different political and cultural contexts. The EU has recently started to advance a norms-based order often referred to as cyber resilience. From an operational perspective, cyber resilience comes with the adoption of a holistic approach to cyber security problems, that broadens the scope of the analysis to embrace institutional actions happening before and after the individual cyber incident, such as, respectively, prevention and detection, response and recovery. However, cyber resilience also implies a different political approach to cybersecurity, where civil society, epistemic communities, public administrators, private companies, the media, and even the population at-large are involved in the governance space. Further, cyber resilience has a geopolitical dimension, inscribed into the EU's aims to establish and foster its own model of global internet governance. The multi-stakeholder roundtable will focus on the concept of cyber resilience and on its operational, political and geopolitical aspects.

16:30-17:00 – Coffee Break

17:00-17:30 – Special Session – Presentation of the Italian PRIN Project: “Cybersecurity (as a) Public Policy”

Chair: **Maria Stella Righettini**, Associate Professor of Public Policy and Performance Evaluation, University of Padova, Italy

Speakers:

- **Francesco Amoretti**, Professor of Political Science and Communication, University of Salerno, Italy
- **Simone Busetti**, Associate Professor of Political Science and Public Policy, University of Teramo, Italy
- **Giancarlo Vecchi**, Professor of Political Science and Policy Analysis, Politecnico di Milano, Italy

Description: Cybersecurity stands out as a multidimensional and polycentric policy domain whereby aspects of institutional design and implementation dynamically provide feedback on each other at different levels of analysis. Since the project aims to scrutinize processes of institutionalization of cybersecurity all along the policy cycle, the research embraces an in-depth analysis of each policy stage and a comprehensive investigation of feedback and adjustments among the phases. Therefore, the research agenda and the integrated approaches follow a five-stage policy cycle model, including 1) Cybersecurity definition and agenda setting; 2) policy formulation and adoption; 3) implementation; 4) communication, and 5) evaluation.

17:30-18:30 – Presentations Session 2 – Information Disorders as a Cybersecurity Issue

Chair: **Chris Marsden**, Professor of Artificial Intelligence, Technology and the Law, Monash University, Australia

▪ **Theorizing Digital vs. Cyber Sovereignty Through the Lens of Disinformation Circulation Online**

Asta Zelenkauskaitė, Drexel University, USA

▪ **EU Cybersecurity Policy as a Basis for Regulating Illegal Online Harm**

Alison Harcourt, University of Exeter, United Kingdom

▪ **What Drives State-led Internet Shutdowns? Utilizing a Machine Learning Approach for Prediction and Factor Exploration**

Fabiola Schwarz, Technical University of Munich, Germany

18:30-20:30 – Social Event

Day 2 – Tuesday 16 May 2023

09:00-10:30 – Presentations Session 3 – Cultures, Regimes and Norms of Cybersecurity

Chair: Michèle Rioux, Professor of Political Economy, Université du Québec à Montréal, Canada

- **Global Cybersecurity Cultures**

Francesco Amoretti, University of Salerno, Italy

- **European Cybersecurity Regulation – Standardization Without Control?**

Federica Casarosa, Scuola Superiore Sant'Anna, Italy, and Jaroslaw Greser, Warsaw Institute of Technology, Poland

- **Beyond Cyberspace Fragmentation: Conceptualizing Norms Dynamics as Practices of Territorialization**

Giacomo Bruni, Peace Research Institute Oslo, Norway

- **The Ambiguity of Digital Sovereignty Between Territory, Cyberspace, Digital Constitutionalism and Digital Authoritarianism**

Nicola Palladino, Trinity College Dublin, Ireland

- **Discourses on Cybersecurity in the EU. Digital Politics in Times of International Turmoil**

Adriano Cozzolino, University of Campania Luigi Vanvitelli, and Maria Francesca De Tullio, University of Napoli Federico II, Italy

10:30-11:00 – Coffee Break

11:00-12:00 – Presentations Session 4 – Democracy and Rule of Law Issues with the Global Governance of Cybersecurity

Chair: Claudia Padovani, Associate Professor in Political Science and International Relations, University of Padova, Italy

- **Governing the Internet through South-Based Regional Private Regimes: Legitimacy at AFRINIC, APNIC, and LACNIC**

Debora Irene Christine, Tifa Foundation, Indonesia, Hortense Jongen, Vrije Universiteit Amsterdam, The Netherlands & University of Gothenburg, Sweden, Nahema Nascimento Falleiros, Federal University of Rio de Janeiro, Brazil, Gloria Nzeka, University of Maryland, USA, and Jan Aart Scholte, Leiden University, The Netherlands & University of Duisburg-Essen, Germany

- **Geopolitics of access to digital evidence: Second Additional Protocol to the Budapest Convention and access to registrant's data**

Magdalena Krysiak, University of Łódź, Poland

- **The Global Digital Compact Consultations: Developing a Typology of Citizen Attitudes Toward Global Internet Governance**

Dennis Redeker, University of Bremen, Germany

12:00-13:00 – Presentations Session 5 – Data Security, Trust and People Safety

Chair: Riccardo Nanni, Researcher in Data Governance, Fondazione Bruno Kessler, Trento, Italy

- **Imaginaries of Secure Messaging and their Links with Internet Fragmentation: the Case of Threema**

Samuele Fratini, University of Padova, Italy

- **Web PKI and Non-Governmental Governance of Trust on the Internet**

Karl Grindal, University of New Hampshire, Milton Mueller and Vagisha Srivastava, Georgia Institute of Technology, USA

- **Can Encryption Save Lives? Secure Messaging Tools as Loci of Convergence Between Cyber-Warfare and “Conventional” Warfare**

Ksenia Ermoshina and Francesca Musiani, Centre Internet et Société (CIS), CNRS, France

13:00-13:15 – Conference Conclusions

GIG-ARTS 2023 Organizing Committee

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- **Maria Stella Righettini**, Department of Political Science, Law and International Studies - SPGI, University of Padova, Italy
- **Mauro Santaniello**, Internet & Communication Policy Centre, University of Salerno, Italy

GIG-ARTS 2023 Scientific Programme Committee

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- **Mauro Conti**, University of Padova, Italy
- **Laura DeNardis**, Georgetown University, Washington DC, USA
- **Frédéric Douzet**, Université Paris 8 Vincennes - Saint-Denis, France
- **Giuseppe Fenza**, University of Salerno, Italy
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- **Joanna Kulesza** (co-chair), University of Łódź, Poland
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- **Claudia Padovani**, University of Padova, Italy
- **Maria Stella Righettini** (co-chair), University of Padova, Italy
- **Michele Rioux**, Université du Québec à Montréal, Canada
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- **Mauro Santaniello**, University of Salerno, Italy
- **Yves Schemel**, Sciences Po Grenoble, France
- **Jan Aart Scholte**, Leiden University, The Netherlands, and University of Duisburg-Essen, Germany
- **Jamal Shahin**, Vrije Universiteit Brussel & United Nations University - CRIS, Belgium, and University of Amsterdam, The Netherlands
- **Evelyne Tauchnitz**, University of Lucerne, Switzerland
- **Giancarlo Vecchi**, Politecnico di Milano, Italy

About the GIG-ARTS Conference

The GIG-ARTS (**Global Internet Governance Actors, Regulations, Transactions and Strategies**) conference is a European annual multidisciplinary academic venue to present and discuss developments in Global Internet Governance (GIG) and their implications in and beyond this field of research. It is one of the outcomes of the GIG-ARTS project (www.gig-arts.eu).

The GIG-ARTS conference aims to complement and bridge between existing venues, such as established International or European disciplinary conferences in the social sciences (e.g. IAMCR, ICA, ISA, IPSA, ECPR, EISA, ... general conferences), where GIG scholars sometimes find their interdisciplinary research marginalized in terms of issues, areas and disciplines; or such as in the only venue specialized in GIG so far (the Annual GigaNet Symposium), organized as a pre-event of the UN annual Internet Governance Forum (IGF) since 2006, making it difficult to both focus on European developments and accommodate a larger academic community than the one that is used to participating in IGF proceedings. The GIG-ARTS conference objectives are threefold: (1) to foster the enlargement and diversification of this academic community in order to increase its visibility; (2) to open more opportunities to young scholars, particularly from Europe and its neighbourhood; and (3) to anchor its discussions in the

European context, providing a space where the scholarly community can address regional challenges and contribute to regional discussions.

Each year, the GIG-ARTS conference highlights a main theme. In addition to keynote speeches and academic presentations and discussions, at least one roundtable will feature a debate with practitioners around that theme.

The **First GIG-ARTS Conference (GIG-ARTS 2017)** was held in Paris in 2017 on the theme: “**Global Internet Governance as a Diplomacy Issue**”, with Meryem Marzouki as general chair.

The **Second GIG-ARTS Conference (GIG-ARTS 2018)** was held in Cardiff in 2018 on the theme: "**Overcoming Inequalities in Internet Governance - framing digital policy capacity building strategies**", with Andrea Calderaro as general chair.

The **Third GIG-ARTS Conference (GIG-ARTS 2019)** was held in Salerno in 2019 on the theme: "**Europe as a Global Player in Internet Governance**", with Francesco Amoretti and Mauro Santaniello as general chairs.

The **Fourth GIG-ARTS Conference (GIG-ARTS 2020)** was to be held in Vienna in 2020 on the theme: "**Online Information Governance – More Expression, Less Freedom?**", with Meryem Marzouki and Katharine Sarikakis as general chairs. Due to the Covid19 outbreak, **this edition was cancelled and replaced by compensation measures.**

The **Fifth GIG-ARTS Conference (GIG-ARTS 2021)**, was initially set to be held in Vienna in 2021, on the same theme and with the same chairs as GIG-ARTS 2020, as part of the **compensation measures after the cancellation of GIG-ARTS 2020.** With the continuation of the pandemics in 2021, the sanitary situation led to the cancellation of GIG-ARTS 2021.

Back on track in 2022! The **Sixth GIG-ARTS Conference (GIG-ARTS 2022)** was held in Nicosia in 2022 on the theme: "**Global Internet Governance and International Human Rights - Whose Rights, Whose Interpretations?**", with, as co-chairs, Konstantinos Kouroupis, Meryem Marzouki, Katharine Sarikakis, and, as junior chair, Martin Fertmann.

The **Seventh GIG-ARTS Conference (GIG-ARTS 2023)** will be held in Padova in 2023 on the theme: "**The Governance of Cybersecurity: Resilience, Human Rights and Democracy**", with, as co-chairs, Joanna Kulesza, Meryem Marzouki, and Maria Stella Righettoni.

GIG-ARTS 2023 Practical Information

Website: <http://events.gig-arts.eu> - **Email:** events@gig-arts.eu

Twitter: @GigArtsEU - **Hashtag:** #GIGARTS23

Mailing list for updates: <https://listes.lip6.fr/sympa/info/info-gig-arts>

Venue and hotels nearby: <http://events.gig-arts.eu/gig-arts-2023/venue/>

Registration: <http://events.gig-arts.eu/gig-arts-2023/registration/>