

XII CONFERENCE OF THE ITALIAN STANDING GROUP ON INTERNATIONAL RELATIONS

# GLOBAL POLITICS IN THE ERA OF DISRUPTIVE TECHNOLOGIES. NEW SCENARIOS IN AN OLD WORLD?

SISP - ITALIAN POLITICAL SCIENCE ASSOCIATION





## **Global Politics in the Era of Disruptive Technologies. New Scenarios in an Old World?**

Global politics is undergoing a radical transformation. Technological advancements are gaining a prominent role in international affairs. Indeed, machine-learning algorithms, earth observations satellites, unmanned aerial vehicles and cyber-weapons play a crucial role in the enactment of security and warfare.

At the same time, the resurfacing of old international rivalries, the cracks of traditional alignments and the rise of emerging powers are changing the international system of the XXI Century, if not the approach and theoretical tools IR scholars use to understand it.

While power politics changes, non-traditional threats are also on the rise: seemingly never-ending conflicts in Africa and the Middle East, global migrations, environmental issues and the threat of transnational terrorism are unavoidable elements that every possible future scenario must take into consideration.

The increasingly close relationship between social and technological knowledge should push scholars towards a deeper integration of different fields of study, including psychology, sociology, economics and engineering.

If the pervasive use of technology requires a better understanding of global political dynamics, geopolitical transformations render the task of understanding the interactions between political and social change and technological progress ever more pressing for International Relations.

## Organizing Committee

*Emanuele Castelli*, University of Parma  
*Francesco N. Moro*, University of Bologna  
*Paolo Foradori*, University of Trento  
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# PROGRAM AT A GLANCE

JUNE 13, 2019			
13.45 - 14.15	Hall	Registration	
14.15 - 14.45	Room 111	Opening and Welcome	
14.45 - 16.30	Room 108	Panel 1	Technology, Autonomy and Warfare
	Room 111	Panel 2	Space Policy in the 21st Century
16.30 - 17.00	Hall	Coffee break	
17.00 - 18.15	Room 108	Panel 3	(In)Security, Platforms and Infrastructures
	Room 111	Panel 4	Nuclear Weapons, Non-Proliferation and Technological Innovations
18.15 - 19.30	Room 111	Plenary Session	Keynote Speech

JUNE 14, 2019			
9.00 - 10.15	Room 108	Panel 5	(In)Security, Digitisation
	Room 111	Panel 6/1	Bioinformatics, Food Security & Climate Change and Algorithmic Governmentality
10.15 - 10.45	Hall	Coffee break	
10.45 - 12.00	Room 111	Panel 6/2	Bioinformatics, Food Security & Climate Change and Algorithmic Governmentality
	Room 108	Panel 7	Borders, (In)Security and Technology
	Room 117	Panel 9	Contesting the Regional Order
12.00 - 13.15	Room 111	Plenary Session	Hassner Lecture
13.15 - 14.30	Hall	Lunch	
14.30 - 16.15	Room 108	Panel 10	The Evolution of Peacebuilding
	Room 112	Panel 11	Internet Communication Technologies
	Room 111	Panel 12	Fear, Protectionism and Investment
16.15 - 16.45	Hall	Coffee break	
16.45 - 18.00	Room 111	Panel 13	Research Avenues in IR and Technology
	Room 112	Panel 14	Cyber Security Capacity Building
	Room 117	Panel 15	Technology, Critique and Counter-Terrorism
18.00 - 19.15	Room 111	Plenary Session	SGRI General Conference

## JUNE 15, 2019

9.15 - 11.15	Room 117	Panel 16	The Rise of the International
9.30 - 11.15	Room 111	Panel 18	EU's Migration Governance
	Room 108	Panel 17	Cybersecurity and International Relations
11.15 - 11.45	Hall	Coffee break	
11.45 - 13.00	Room 111	Plenary Session	Global Security and Emerging Technologies
13.00 - 14.15	Hall	Lunch	
14.15 - 14.45	Room 111	Plenary Session	Concluding Remarks

# PROGRAM

13.45 - 14.15

Hall

## REGISTRATION

## PLENARY SESSION

Room 111

## OPENING

14.15 - 14.45

*Filippo Andreatta*, Director - IP Lab

*Andrea Fracasso*, Director, School of International Studies, University of Trento, Italy

*Carla Monteleone*, Chair of the Standing Group - University of Palermo, Italy

*Vittorio Emanuele Parsi*, Chair of the Standing Group - Catholic University of Milan, Italy

## PANEL 1

Room 108

## TECHNOLOGY, AUTONOMY AND WARFARE

CHAIR/DISCUSSANT: *Huub Dijstelbloem*, University of Amsterdam, The Netherlands

14.45 - 16.30

### **Deadly Design: The Politics of Engineering Lethal Autonomous Weapons**

*Marijn Hoijtink*, VU Amsterdam, The Netherlands

### **(Re)Cognizing War**

*Andrew Dwyer*, University of Oxford, United Kingdom

### **International Security and Human Rights: Does AI Require a Reshaping of International Legal Regimes? The Autonomous Weapon Systems (AWS) Case Study**

*Federica Merenda*, Sant'Anna School Pisa, Italy & *Luigi Martino*, Sant'Anna School Pisa, Italy

### **Article 36 Reviews and Lethal Autonomous Weapons Systems**

*Valentina Bacco*, University of Trento & Sant'Anna School Pisa, Italy

**PANEL 2**

Room 111

14.45 - 16.30

**SPACE POLICY IN THE 21ST CENTURY:  
THE EARTH OBSERVATION CASE**Chair: *Giampiero Giacomello*, University of Bologna, ItalyDiscussant: *Jean Pierre Darnis*, Istituto Affari Internazionali (IAI), Italy**EO in Europe, from Institutional Programs to Commercial Markets. A New Sovereignty on the Horizon***Xavier Pasco*, Fondation pour la Recherche Stratégique, France**Principle EO Trends in Russia, China and India.***Isabelle Sourbès-Verger*, CERN, France**ESA Support for Institutional Civil Security***Antonio Ciccolella*, European Space Agency (ESA), Italy**The New Space Economy and EO Impacts on Productivity and Growth***Andrea Sommariva*, Bocconi University, Italy

16.30 - 17.00

Hall

Coffee break

**PANEL 3**

Room 108

17.00 - 18.15

**(IN)SECURITY, PLATFORMS AND INFRASTRUCTURES**CHAIR/DISCUSSANT: *Marijn Hoijtink*, VU Amsterdam, The Netherlands**Emergency Infrastructures, Automation and Public/Private Security Hybrids***Nathaniel O'Grady*, University of Manchester, United Kingdom**Governing Large-Scale Surveillance Systems: Politics of Maintenance and Protection***Georgios Glouftsiou*, University of Trento, Italy**Securing the Platform: How Google Becomes a Security Actor***Anneroos van Hardeveld*, VU Amsterdam, The Netherlands



**PANEL 4***Room 111*

17.00 - 18.15

**NUCLEAR WEAPONS, NON-PROLIFERATION AND TECHNOLOGICAL INNOVATIONS**CHAIR/DISCUSSANT: *Jakub Grygiel*, Catholic University of America, USA.**Nuclear weapons and power. The case of the Eurobomb***Tom Sauer*, University of Antwerp, Belgium**Governance Approaches in a Technology-induced Proliferation Risk Environment. The Case of Weapons of Mass Destruction and Disruption***Enrico Fiorentini*, Consulting Advisor, Office of Disarmament, Arms Control and Non-Proliferation, MAECI, Italy**Technological Change, Shifts in Strategy and the Prospects for Stable Deterrence in the Gulf***Fred H. Lawson*, Naval Postgraduate School, USA**PLENARY SESSION***Room 111*

18.15 - 19.30

**KEYNOTE SPEECH****Space Economy, a window to the future***Roberto Battiston*, University of Trento, Italy

**PANEL 5***Room 108*

9.00 - 10.15

**(IN)SECURITY, DIGITISATION AND ALGORITHMIC GOVERNMENTALITY**CHAIR/DISCUSSANT: *Nathaniel O'Grady*, University of Manchester, United Kingdom**Big Data, Algorithmic Governmentality and the Regulation of Pandemic Risk***Stephen L. Roberts*, London School of Economics, United Kingdom**Semi-Automated Pre-emption: Algorithmic Risk Assessment and the Legal Subject***Adam Harkens*, Queen's University Belfast, United Kingdom**New Digital Technologies and the Study of In/security in International Studies***Edward Stoddard*, Sant'Anna School Pisa, Italy & *Alessandra Russo*, Sciences Po Bordeaux, France**PANEL 6 / 1***Room 111*

9.00 - 10.15

**BIOINFORMATICS, FOOD SECURITY AND CLIMATE CHANGE**CHAIR/DISCUSSANT: *Riccardo Rigon*, University of Trento, Italy**Bioinformatics and Synthetic Biology: Addressing New Challenges for Fairness and Equity in Biodiversity Governance***Elsa Tsioumani*, International Institute for Sustainable Development, Canada**Spatio-temporal variation of water use worldwide: volumes, efficiency and sustainability***Stefania Tamea*, DIATI, Politecnico di Torino, Italy

10.15 - 10.45

*Hall*

Coffee break

**PANEL 6 / 2***Room 111*

10.45 - 12.00

**BIOINFORMATICS, FOOD SECURITY AND CLIMATE CHANGE**CHAIR/DISCUSSANT: *Riccardo Rigon*, University of Trento, Italy**Multinational Enterprises and the Organization of Global Food***Armando Rungi*, IMT Lucca, Italy**International Food Trade and Cross-border Macronutrient Flows***Stefano Schiavo*, University of Trento, Italy & *Silvio Traverso*, University of Trento, Italy**PANEL 7***Room 108*

10.45 - 12.00

**BORDERS, (IN)SECURITY AND TECHNOLOGY**CHAIR/DISCUSSANT: *Anna Casaglia*, University of Trento, Italy**The Continuation of the Border by Other Means***Huub Dijkstra*, University of Amsterdam, The Netherlands**An Inquiry into the Digitisation of Border and Migration Management: Performativity, Technoscience and Contestation***Georgios Glouftsiou*, University of Trento, Italy & *Stephan Scheel*, University of Duisburg-Essen, Germany**The Difficulties of the Implementation of the Cross-Border Videoprotection in the Case of the Swiss-French Cooperation***Jean-François Clouzet*, University of Geneva, Switzerland

**PANEL 9**

Room 117

10.45 - 12.00

**CONTESTING THE REGIONAL ORDER: EAST ASIA BETWEEN CHINA AND THE US**CHAIRS: *Matteo Dian*, University of Bologna, Italy & *Giuseppe Gabusi*, University of Turin, ItalyDISCUSSANT: *Joseph Grieco*, Duke University, USA**Feeling the Pressure: the Border Factor in Myanmar's Interaction with China and India***Giuseppe Gabusi*, University of Turin, Italy**Explaining Stagnation and Change in China's Military. Theories of Military Change and the People's Liberation Army***Simone Dossi*, University of Milan, Italy**Alternative Narratives to the Liberal International Order. The Case of China and Russia***Flavia Lucenti*, University of Roma Tre, Italy**PLENARY SESSION**

Room 111

12.00 - 13.15

**PIERRE HASSNER LECTURE - NOT STRATEGIC ENOUGH: THE LIMITS OF GRAND STRATEGY***Pascal Vennesson*, RSIS - Nanyang Technological University, Singapore

13.15 - 14.30

Hall

Lunch

**PANEL 10**

Room 108

14.30 - 16.15

**THE EVOLUTION OF PEACEBUILDING: NEW TECHNOLOGIES, CONCEPTS AND PRACTICES IN THE EUROPEAN UNION**CHAIR: *Nicoletta Pirozzi*, Istituto Affari Internazionali (IAI) & University "Roma Tre", ItalyDISCUSSANT: *Valentina Bartolucci*, University of Pisa, Italy**Unpacking the Conceptual Texture of the EUGS***Serena Giusti*, Sant'Anna School Pisa, Italy**Dual-Use Technologies: Satellites Systems and Remotely Piloted Aircraft Systems***Andrea Aversano Stabile*, Istituto Affari Internazionali (IAI), Italy

## Ensuring Sustainability of Peacebuilding Efforts through Local Ownership

*Bernardo Venturi*, Istituto Affari Internazionali (IAI), Italy

### PANEL 11

Room 112

## INTERNET COMMUNICATION TECHNOLOGIES, CRITICAL INFRASTRUCTURES, AND AUTHORITARIAN RESILIENCE: A VIEW FROM EAST ASIA

CHAIR: *Gianni Bonvicini*, Istituto Affari Internazionali (IAI), Italy

DISCUSSANT: *Francesco N. Moro*, University of Bologna, Italy

14.30 - 16.15

### Keeping Chinese Big Brother off the 'Down Under'. China, Australia and the 5G issue'

*Raimondo Neironi*, Catholic University of Sacred Heart, Milan, Italy

### The State Behind the Screen: Myanmar's Internet Boom and the Spread of anti-Rohingya Propaganda on Social Media

*Andrea Passeri*, University of Bologna, Italy

### The Contentious Politics of Students' Keyboard Armies in Southeast Asia

*Licia Proserpio*, University of Bologna, Italy

### China and Russia's Cyber Power: a Threat or a Life Jacket in the Energy Sector?

*Francesco Sassi*, University of Pisa, Italy

### PANEL 12

Room 111

## FEAR, PROTECTIONISM AND INVESTMENT IN THE AGE OF 'GLOBALIZATION 4.0'

CHAIR: *Eugenia Baroncelli*, University of Bologna, Italy

14.30 - 16.15

### Learning, Proximity and Voting Beliefs: Theory and Empirical Evidence from Nuclear Referenda

*Giuseppe Pignataro* and *Giovanni Prarolo*, University of Bologna, Italy

### Protectionist Preferences in the Age of Political Polarization: Individual Determinants and Regional Shocks

*Eugenia Baroncelli*, University of Bologna, Italy & *Fedra Negri*, University of Milan, Italy

**Appropriability of Intellectual Assets and the Organization of Global Supply Chains**

*Stefano Bolatto*, University of Bologna, Italy; *Alireza Naghavi*, University of Bologna, Italy; *Gianmarco Ottaviano*, London School of Economics and Political Science, United Kingdom & Bocconi University, Italy; *Katja Zajc Kejzar*, University of Ljubljana, Slovenia

16.15 - 16.45

Hall

Coffee break

**PANEL 13**

Room 111

**RESEARCH AVENUES IN IR AND TECHNOLOGY: DEFENCE OFFSETS, LEARNING MECHANISMS AND DATA FLOWS**

CHAIR: *Emanuele Castelli*, University of Parma, Italy

16.45 - 18.00

**Learning Mechanisms and IR**

*Alessia Chiriatti*, University for Foreigners of Perugia, Italy

**A theory of Defence Offsets**

*Jonata Anicetti*, European University Institute Florence, Italy

**The Transfer of Personal Data from the EU to the US under the GDPR: The Uncertain Future of the EU-US Privacy Shield**

*Isabella Oldani*, University of Trento, Italy

**PANEL 14**

Room 112

**CYBER SECURITY CAPACITY BUILDING: CHALLENGES FOR CYBER DIPLOMACY**

CHAIR: *Andrea Calderaro*, Cardiff University, United Kingdom

DISCUSSANT: *Pascal Vennesson*, RSIS - Nanyang Technological University, Singapore

16.45 - 18.00

**Challenges and Opportunities for Global Cyber Diplomacy: Influence, Competition and Effects of Cyber Security Capacity Processes**

*Andrea Calderaro* & *Anthony Craig*, Cardiff University, United Kingdom

**Understanding Evidence in Cybersecurity Policy Making**

*Madeline Carr*, University College London, United Kingdom

## The Encastellation of Cyberspace and the Feudal Regime of Cybersecurity

*Mauro Santaniello*, University of Salerno, Italy

### PANEL 15

Room 117

16.45 - 18.00

### TECHNOLOGY, CRITIQUE AND COUNTER-TERRORISM

CHAIR/DISCUSSANT: *Antonino Ali*, University of Trento, Italy

#### Counter-Radicalisation and Countering Violent Extremism in the Western Balkans and South Caucasus: the Cases of Kosovo and Georgia

*Alessandra Russo*, Sciences Po Bordeaux, France & *Ervjola Selenica*, University of Sussex, United Kingdom

#### Bring our Boys Back, Send our Drones Out. RPAs or Spec Ops? Critical Comparison and Analysis of Counter-Terrorism Practices

*Ginevra Fontana*, University of Trento and Sant'Anna School Pisa, Italy & *Giovanni Luconi*, University of Perugia, Italy

#### Controlling Infrastructures: An Inquiry into the Socio-Technical Design of Security Databases

*Bellanova Rocco*, University of Amsterdam, The Netherlands & *Georgios Glouftsiou*, University of Trento, Italy.

### PLENARY SESSION

Room 111

18.00 - 19.00

### SGRI GENERAL CONFERENCE

**PANEL 16**

Room 117

9.15 - 11.15

**THE RISE OF THE INTERNATIONAL**CHAIRS: *Michele Chiaruzzi*, Università di Bologna, Italy & *Richard Devetak*, University of Queensland, Australia**A Reappraisal of Jeremy Bentham on International Law***Lorenzo Cello*, University of Queensland, Australia**Fourteenth-Century Italy and the Rise of the International***Marco Cesa*, Università di Bologna, Italy**The Rise of the International: Torquato Tasso on Diplomacy***Michele Chiaruzzi*, Università di Bologna, Italy**Natural Law and the Rise of the International***Richard Devetak*, University of Queensland, Australia**Experiencing the International: Hannah Arendt on History, Reality and Plurality***Annalisa Furia*, University of Bologna, Italy**PANEL 17**

Room 108

9.30 - 11.15

**EU'S MIGRATION GOVERNANCE: THE EXTERNAL DIMENSION**CHAIRS: *Enrico Fassi*, Catholic University Milan, Italy & *Michela Ceccorulli*, University of Bologna, ItalyDISCUSSANT: *Nicoletta Pirozzi*, Istituto Affari Internazionali (IAI) & University "Roma Tre", Italy**EU's Approach to Libya and the "War on Smuggling": an International Political Economy Perspective***Michela Ceccorulli*, University of Bologna, Italy & *Enrico Fassi*, Catholic University Milan, Italy**The Multilevel Externalisation of the EU Migration Policy. Germany and the EU in the External Dimension of the EU Migration System of Governance***Antonio Zotti*, Catholic University Milan, Italy**The European Border Regime of the Mediterranean: Humanitarian Interventions and New Sites for Containment***Anna Casaglia*, University of Trento, Italy



**Impelling interests and human rights protection: new institutional balances and informalization process in the EU's readmission system**  
*Alice Fill, Sant'Anna School Pisa, Italy*

**PANEL 18**

Room 111

**CYBERSECURITY AND INTERNATIONAL RELATIONS: THE INTERSECTION BETWEEN TECHNOLOGY AND POLICY**

CHAIR: *Luigi Martino, Sant'Anna School Pisa, Italy*  
 DISCUSSANT: *Andrea Rigoni, Deloitte, Italy*

9.30 - 11.15

**Data Analytics for Political Purposes Post Cambridge Analytica/ Facebook Scandal**

*Antonino Ali, University of Trento, Italy*

**International Affairs, Public Policy in Cyber Security: A Comparative Theoretical Analysis**

*Luigi Martino, Sant'Anna School Pisa, Italy & Lars Gjelsvik, Norwegian Institute of International Affairs, Norway*

**Nation-states' Points of Contact for Addressing Cyber Security Threats and Actions**

*Gian Piero Siroli, University of Bologna, Italy*

**Russia Hacked: Problematic Sources for Insights on Conflicts in Ukraine and the South Caucasus**

*Giorgio Comai, Centro per la Cooperazione Internazionale (CCI) & Osservatorio Balcani Caucaso Transeuropa (OBCT), Italy*

11.15 - 11.45

Hall

Coffee break

**PLENARY SESSION**

Room 111

**GLOBAL SECURITY AND EMERGING TECHNOLOGIES: OPPORTUNITIES AND CHALLENGES IN THE FOURTH INDUSTRIAL REVOLUTION**

11.45 - 13.00

*Madeline Carr, University College London, United Kingdom*

13.00 - 14.15

Hall

Lunch

**PLENARY SESSION**

Room 111

**CONCLUDING REMARKS**

14.15 - 14.45

*Filippo Andreatta*, Director - IP Lab

*Andrea Fracasso*, Director, School of International Studies,  
University of Trento, Italy

*Carla Monteleone*, Chair of the Standing Group - University of  
Palermo, Italy

*Vittorio Emanuele Parsi*, Chair of the Standing Group - Catholic  
University of Milan, Italy

# VENUE



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The Conference will be held at the School of International Studies of the University of Trento.

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# PREVIOUS CONFERENCES

- **XI | Bologna, 2018**  
The brave new world of IR? Technological changes, geopolitical shifts and the challenge to mainstream approaches
- **X | Trento, 2017**  
International Politics Facing Technological and Social Upheavals
- **IX | Trento, 2016**  
Exploring Foreign and Security Policy in International Relations
- **VIII | Trento, 2015**  
Disentangling Subsystem Dynamics. The Search for Peace and Cooperation
- **VII | Trento, 2014**  
Security and Cooperation in a Changing International System
- **VI | Trento, 2013**  
2013 Regional Orders in the XXI Century
- **V | Trento, 2012**  
International Relations' Theory 20 years after bipolarity
- **IV | Milan, 2009**  
Politics, Economics and Strategy: Continuity and Change in the International System
- **III | Bertinoro, 2008**  
The Transformation of the International System after the End of the Cold War
- **II | Bologna, 2007**  
The Lack of a Culture of Defense in Italy (Bologna)
- **I | Parma, 2004**  
Common Foreign and Security Policy and the role of the European Parliament





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