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

SISP - ITALIAN POLITICAL SCIENCE ASSOCIATION
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
Georgios Glouftsios, Università di Trento
Moira Osti, Fondazione Bruno Kessler
Silvia Tomaselli, Università di Trento

Graphic Design
Moira Osti, Fondazione Bruno Kessler

Organizers

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# PROGRAM AT A GLANCE

## JUNE 13, 2019

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## JUNE 14, 2019

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13.45 - 14.15  
**REGISTRATION**  
*Hall*

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**PLENARY SESSION**  
*Room 111*

14.15 - 14.45  
**OPENING**  
*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

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**PANEL 1**  
*Room 108*

14.45 - 16.30  
**TECHNOLOGY, AUTONOMY AND WARFARE**  
CHAIR/DISCUSSANT: *Huub Dijstelbloem*, University of Amsterdam, The Netherlands

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14.45 - 16.30  
**Deadly Design: The Politics of Engineering Lethal Autonomous Weapons**  
*Marijn Hoijtink*, VU Amsterdam, The Netherlands

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14.45 - 16.30  
**(Re)Cognizing War**  
*Andrew Dwyer*, University of Oxford, United Kingdom

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14.45 - 16.30  
*Federica Merenda*, Sant’Anna School Pisa, Italy & Luigi Martino, Sant’Anna School Pisa, Italy

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14.45 - 16.30  
**Article 36 Reviews and Lethal Autonomous Weapons Systems**  
*Valentina Bacco*, University of Trento & Sant’Anna School Pisa, Italy
SPACE POLICY IN THE 21ST CENTURY: THE EARTH OBSERVATION CASE
Chair: Giampiero Giacomello, University of Bologna, Italy
Discussant: Jean Pierre Darnis, Istituto Affari Internazionali (IAI), Italy

14.45 - 16.30

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, CERNS, 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

Coffee break

16.30 - 17.00
Hall

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 Glouftsios, University of Trento, Italy

Securing the Platform: How Google Becomes a Security Actor
Anneroos van Hardeveld, VU Amsterdam, The Netherlands
NUCLEAR WEAPONS, NON-PROLIFERATION AND TECHNOLOGICAL INNOVATIONS

CHAIR/DISCUSSANT: Jakub Grygiel, Catholic University of America, USA.

17.00 - 18.15

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
(IN)SECURITY, DIGITISATION AND ALGORITHMIC GOVERNMENTALITY
CHAIR/DISCUSSANT: Nathaniel O’Grady, University of Manchester, United Kingdom

9.00 - 10.15

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

BIOINFORMATICS, FOOD SECURITY AND CLIMATE CHANGE
CHAIR/DISCUSSANT: Riccardo Rigon, University of Trento, Italy

9.00 - 10.15

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
Coffee break
**PANEL 6/2**

**BIOINFORMATICS, FOOD SECURITY AND CLIMATE CHANGE**

*CHAIR/DISCUSSANT: Riccardo Rigon, University of Trento, Italy*

*10.45 - 12.00*

**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*

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**PANEL 7**

**BORDERS, (IN)SECURITY AND TECHNOLOGY**

*CHAIR/DISCUSSANT: Anna Casaglia, University of Trento, Italy*

*10.45 - 12.00*

**The Continuation of the Border by Other Means**

*Huub Dijstelbloem, University of Amsterdam, The Netherlands*

**An Inquiry into the Digitisation of Border and Migration Management: Performativity, Technoscience and Contestation**

*Georgios Glouftsios, 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*
CONTESTING THE REGIONAL ORDER: EAST ASIA BETWEEN CHINA AND THE US

CHAIRS: Matteo Dian, University of Bologna, Italy & Giuseppe Gabusi, University of Turin, Italy
DISCUSSANT: Joseph Grieco, Duke University, USA

10.45 - 12.00

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

PIERRE HASSNER LECTURE - NOT STRATEGIC ENOUGH: THE LIMITS OF GRAND STRATEGY

Room 111
12.00 - 13.15
Pascal Vennesson, RSIS - Nanyang Technological University, Singapore

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THE EVOLUTION OF PEACEBUILDING: NEW TECHNOLOGIES, CONCEPTS AND PRACTICES IN THE EUROPEAN UNION

CHAIR: Nicoletta Pirozzi, Istituto Affari Internazionali (IAI) & University “Roma Tre”, Italy
DISCUSSANT: Valentina Bartolucci, University of Pisa, Italy

Room 108
14.30 - 16.15

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

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

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
JUNE 14

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PANEL 13
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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

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
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 Glouftsios, University of Trento, Italy.

PLENARY SESSION
Room 111
18.00 - 19.00

SGRI GENERAL CONFERENCE
THE RISE OF THE INTERNATIONAL
CHAIRS: Michele Chiaruzzi, Università di Bologna, Italy & Richard Devetak, University of Queensland, Australia

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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

EU’S MIGRATION GOVERNANCE: THE EXTERNAL DIMENSION
CHAIRS: Enrico Fassi, Catholic University Milan, Italy & Michela Ceccorulli, University of Bologna, Italy
DISCUSSANT: Nicoletta Pirozzi, Istituto Affari Internazionali (IAI) & University “Roma Tre”, Italy

9.30 - 11.15

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
Coffee break

PANEL 18
Room 111
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
Coffee break

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PLENARY SESSION
Room 111
11.45 - 13.00

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

Madeline Carr, University College London, United Kingdom
13.00 - 14.15  
Lunch

14.15 - 14.45  
PLENARY SESSION  
Room 111

CONCLUDING REMARKS

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

via Tommaso Gar, 14
38122 Trento
• 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