



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA



# SPACE: EXPLORING NATO'S FINAL FRONTIER

International conference organized in the framework of  
*NATO Allied Command Transformation's Academic Outreach Effort*

**8-10 November 2023**

Centro Residenziale Universitario di Bertinoro (Forlì, Italy)

## **Organized by**

Headquarters Supreme Allied Commander Transformation, Norfolk  
Istituto Affari Internazionali, Rome  
University of Bologna, Bologna

## **Sponsored by**

Headquarters Supreme Allied Commander Transformation, Norfolk

## **Hosted by**

University of Bologna, Bologna

Agenda to be held under the Chatham House Rule<sup>1</sup>

All the draft papers are available here



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<sup>1</sup>When a meeting, or part thereof, is held under the Chatham House Rule, participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed.

## AGENDA

### Day 1 – November 8<sup>th</sup>

During the day *Arrival of Participants*

**19:00 Welcome Remarks**

*La Rocca*

**VLASTA ZEKULIC** Head of Strategic Issues and Engagement Branch (SIE/SPP), NATO Allied Command Transformation (ACT)

**SONIA LUCARELLI** Professor of International Relations, University of Bologna

**ALESSANDRO MARRONE** Head of Defence Programme, Istituto Affari Internazionali (IAI)

**19:15 Key Note Speech**

**DAVID J. JULAZADEH** Lieutenant General Deputy Chief of Staff for Capability Development Allied Command Transformation (ACT) FOGO lead for Space

**19:30** *Dinner at la Rocca*

### Day 2 – November 9<sup>th</sup>

**08:30 Introduction to the Academic Conference**

*San Silvestro Conference Room*

**DAVID J. JULAZADEH** Lieutenant General Deputy Chief of Staff for Capability Development ACT FOGO lead for Space

**FILIPPO ANDREATTA** Head of Department of Political and Social Sciences, University of Bologna

**ALESSANDRO MARRONE** Head of Defence Programme, IAI

**09:00 1st Plenary – The Space Frontier in the XXI Century**

*San Silvestro Conference Room*

*Chair* **ALESSANDRO MARRONE** Head of Defence Programme, IAI

*Panelists* **LUCA BAIONE** General Head of the Aviation and Meteorology Office, Italian Air Force

**PASCAL LEGAI** Senior Security Adviser to ESA DG, European Space Agency (ESA)

**MARK WEBBER** Professor of International Politics, University of Birmingham

**CHRISTOPHER S. SAGE** US Air Force Head, Joint Air Power & Space Staff Element International NATO HQ

**VICTORIA SAMSON** Washington Office Director, Secure World Foundation (SWF)

**KRZYSZTOF SKURZAK** Section Head (Science and Technology) NATO International Civilian

**10:30** *Coffee Break*

**11:00 Working groups first session: the state of the art**

***WG1: The Global Space Context - The development of a NATO's posture in space***

**Red Room**

*Facilitator* **KAROLINA MUTI** Senior Researcher, Istituto Affari Internazionali (IAI)

*Rapporteur* **NICOLÒ FASOLA** Research Fellow of International Relations, University of Bologna

*Paper Givers* **SARAH ERICKSON** Research Assistant for Space Security and WMD Programmes, UN Institute for Disarmament Research (UNIDIR)  
**DIMITRIOS STROIKOS** Research Fellow Department of International Relations London School of Economics (LSE)

*Discussant* **ANDREA ROTTER** Head of Division Foreign & Security Policy, Hanns Seidel Foundation (HSS)

***WG2: Space capabilities & NATO - How to understand better and decide faster***

**Museum Room**

*Facilitator* **ANDREA GILLI** Senior Researcher, NATO Defence College (NDC)

*Rapporteur* **ALESSANDRO MARRONE** Head of Defence Programme, IAI

*Paper Givers* **MATHIEU BATAILLE** Research Fellow and Lead on Security and Defence, The European Space Policy Institute (ESPI)  
**JULIANA SUSS** Research Analyst & Policy Lead, Royal United Services Institute (RUSI)

*Discussant* **ANDREA CALDERARO** Senior Lecturer/Associate Professor in International Relations, Cardiff University

***WG3: Space threats - How to approach NATO's deterrence and defense aspects***

**Fresco Room**

*Facilitator* **FRANCESCO N. MORO** Professor of Political Science, University of Bologna

*Rapporteur* **FABRIZIO COTICCHIA** Professor of International Relations, University of Genoa

*Paper Givers* **BLEDDYN BOWEN** Professor of International Relations, University of Leicester  
**NIVEDITA RAJU** Researcher Weapons of Mass Destruction Programme, Stockholm International Peace Research Institute (SIPRI)

*Discussants* **BRUCE MCCLINTOCK** Lead of Space Enterprise Initiative & Senior Policy Researcher, RAND Corporation

**12:30 Lunch**

14:00

**Working groups second session: future scenarios**

***WG1: The Global Space Context - The development of a NATO's posture in space***

Red Room

*Facilitator*

**KAROLINA MUTI** Senior Researcher, IAI

*Discussants*

**CHRISTOPH BEISCHL**, Associate Deputy Director, London Institute of Space Policy and Law (ISPL)

**CHRISTOPHER MORAND** Head DG DEFIS Security of Information Task Force · Deputy head of the Space Task Force

**GIULIA PAVESI** Research Fellow, International Law and International Space Law, Leuven Centre for Global Governance Studies and Institute of International Law (KU Leuven)

**ANDREW WILLIAMS** External Relations Officer, European Southern Observatory (ESO)

***WG2: Space capabilities & NATO - How to understand better and decide faster***

Museum Room

*Facilitator*

**ANDREA GILLI** Senior Researcher, NATO Defence College (NDC)

*Discussants*

**PIERO BOCCARDO** Professor of Geomatics, Politecnico di Torino

**PETR BOHACEK** Space Strategy Manager, TRL Space.

**MARCO FLORISSI** Office of the Executive Director, EU Agency for the Space Programme (EUSPA)

**ROBERT KERBY** Senior Account Manager - International Intelligence & Security · Planet

***WG3: Space threats - How to approach NATO's deterrence and defense aspects***

Fresco Room

*Facilitator*

**FRANCESCO N. MORO** Professor of Political Science, University of Bologna

*Discussants*

**JAN JOEL ANDERSSON** Senior Analyst, EU Institute for Security Studies

**MARC BECKER** Desk Officer for Space Security, German Federal Ministry of Defence

**BÉATRICE HAINAUT** Space Researcher, Institute for Strategic Research of "École Militaire" (IRSEM) - French Ministry of Defence

**ALESSANDRO VIVOLI** Project Officer Space, European Defence Agency (EDA)

15:20 *Coffee Break*

## 15:40 Working groups third session: implications for NATO

### ***WG1: The Global Space Context - The development of a NATO's posture in space***

Red Room

*Facilitator* **KAROLINA MUTI** Senior Researcher, IAI

*Discussants* **CELSO CARREIRO** Infrastructure Lieutenant Colonel, ESP Army. Infrastructure & Finance Branch Logistic & Resources Division NATO HQ

**GIANCARLO LA ROCCA** Reasearcher, Italian Space Agency (ASI)

**ROBERTO MENOTTI** Senior Advisor - International Activities, Aspen Institute Italia

**JAMES SPERLING** Professor of Political Science University of Akron

### ***WG2: Space capabilities & NATO - How to understand better and decide faster***

Museum Room

*Facilitator* **ANDREA GILLI** Senior Researcher, NATO Defence College (NDC)

*Discussants* **PAWEŁ BERNAT** Senior Lecturer, Polish Air Force University (PAFU)

**JEAN PIERRE MAULNY** Deputy Director, French Institute for International and Strategic Affairs (IRIS)

**DAVID NEIRA RODRIGUEZ** MAJ ESP AF Threat & Policy Staff Officer-NATO Space Centre

**SINAN TOPRAK** Senior Requirements Manager SPACE IPT Member Requirements Forward Branch ACT Staff Element Europe

### ***WG3: Space threats - How to approach NATO's deterrence and defense aspects***

Fresco Room

*Facilitator* **FRANCESCO N. MORO** Professor of Political Science, University of Bologna

*Discussants* **JUUSO LIEKKILA** Space Officer at Finnish Defence Forces

**CORNELIUS VOGT** Lecturer in Space Security Policy, Command and Staff College of the German Armed Forces

**ALEKSANDRA KOZIOŁ** Senior Analyst, European Union Programme, The Polish Institute of International Affairs

**ESTER SABATINO** Research Associate, Defence and Military Analysis, International Institute for Strategic Studies (IISS)

**17:00** *End of day 2*

**20:00** *Dinner*

## Day 3 – November 10th

### 9:30 2nd Plenary: Implications for NATO and way ahead

*San Silvestro Conference Room*

*Chair* **SONIA LUCARELLI** Professor of International Relations, University of Bologna

*Rapporteur* **FABRIZIO COTICCHIA** Professor of International Relations, University of Genoa  
**NICOLÒ FASOLA** Research Fellow of International Relations, University of Bologna  
**ALESSANDRO MARRONE** Head of Defence Programme, IAI

*Speakers* **GIORGIO CIONI** Director of Armament and Aerospace Capabilities, NATO Defence Investment Division  
**ANDREA GILLI** Senior Researcher, NATO Defence College (NDC)  
**CAMILLE GRAND** Distinguished Policy Fellow, European Council on Foreign Relations (ECFR)  
**ZHANNA MALEKOS SMITH** Senior Associate of Aerospace Security Project & Adjunct Fellow of Strategic Technologies Programme, Center for Strategic and International Studies (CSIS)  
**REGINA PELDSZUS** Space Policy Officer, Space Security, Space Situational Awareness (SSA), European External Action Service (EEAS)

### 11.30 *Closing remarks*

**SONIA LUCARELLI** Professor of International Relations, University of Bologna  
**DAVID J. JULAZADEH** Lieutenant General Deputy Chief of Staff for Capability Development ACT FOGO lead for Space  
**ALESSANDRO MARRONE** Head of Defence Programme, IAI

### 12:00 *Lunch (optional)*