



THE PONTIFICAL
ACADEMY
OF SOCIAL SCIENCES



PRIO
PEACE RESEARCH
INSTITUTE OSLO

Pacem in Terris: **War and other Obstacles to Peace**

A Conference commemorating
the 60th anniversary of *Pacem in Terris*



19-20 September 2023
Casina Pio IV, Vatican City

Concept Note

Sixty years have now passed since the publication of Pope John XXIII's encyclical letter *Pacem in Terris* (Peace on Earth). The famous line “In this age which boasts of its atomic power, it no longer makes sense to maintain that war is a fit instrument with which to repair the violation of justice” is perhaps the most widely quoted passage from *Pacem in Terris*.

Written in the wake of the Cuban Missile Crisis (October 1962), war is today no less an urgent moral problem than when *Pacem in Terris* appeared in April 1963. Despite some notable advances, most notably the 1968 Nuclear Non-Proliferation Treaty and the 2017 Treaty on the Prohibition of Nuclear Weapons, the somber reality of war remains very much with us. In the last sixty years numerous wars have been fought, including the Ukrainian conflict that still rages in the heart of Europe. Nuclear weapons, once deployed over Japan, have since been silent, but their production, stockpiling, and modernization continues at a fast pace. Research in artificial intelligence has enabled the development of new automated weapon

systems, while digital technologies are increasingly being used as weapons in cyberconflict. Potent forms of digital disinformation are on the rise, and hybrid warfare – mixing military, cyber, and economic measures – has intensified the dismal cloud of insecurity that looms large over the world.

Against this backdrop, ethical reflection on contemporary technologies of warfare – the restrictions that should be placed on them, the prohibitions that are in order, and the safeguards that should be established to ensure the protection of humankind – is an imperative of our age. *Pacem in Terris* provides a valuable roadmap for addressing these issues. The conference will accordingly focus on those sections of the encyclical §§ 109-116, 126-129 that deal with armed conflict and associated problems, e.g., disinformation campaigns (§90). Experts have been invited who can address recent technological developments in armed conflict and provide an ethical assessment of the prospects for achieving a stable peace in this fast-changing context.

GREGORY M. REICHBERG and SR. HELEN ALFORD OP

Programme

Tuesday 19 September 2023

9:00–9:45

First session: Introductory considerations | Chair: Beatrice Fihn

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| Papal peace diplomacy | Cardinal Peter K. A. Turkson <i>PASS Chancellor</i> |
| <i>Pacem in Terris</i> , an overview | Sr. Helen Alford <i>PASS President</i> |
| Contemporary threats to peace | Henrik Urdal <i>PRIO Director</i> |

9:45–11:00

Second session: Ethical approaches to armed conflict | Chair: Henrik Syse

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| Just war | Martin Cook <i>US Naval War College</i> |
| Non-violence | Marianne Dahl <i>PRIO</i> |
| Humanitarian disarmament | Alexander Kmentt <i>Austrian Ministry of Foreign Affairs</i> |

11:00–11:30 Coffee Break

11:30–13:00

Third session: A Survey of Technology-based threats to peace | Chair: Henrik Urdal

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| Nuclear weapons | Patricia Lewis <i>Chatham House</i> |
| Biological and Chemical Weapons | Filippa Lentzos <i>King's College London</i> |
| Cyber | Gregory M. Reichberg <i>PRIO</i> |
| Space-based weapon systems | Nikita Chiu <i>Exeter University</i> |

13:00–14:00 Lunch at Casina Pio IV

14:00–15:30

Fourth session: Nuclear risk scenarios today | Chair: Patricia Lewis

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| | Beatrice Fihn <i>Director, Lex International</i> |
| | Moran Cerf <i>Columbia University</i> |
| | Wilfred Wan <i>Stockholm International Peace Research Institute</i> |

15:30–16:00 Coffee break

16:00–18:00

Fifth session: AI-Based weapons systems | Chair: Gregory M. Reichberg

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| Algorithmic Warfare | George Lucas <i>US Naval Academy</i> |
| Autonomous robots | Edward Barrett <i>US Naval Academy</i> |
| Multi-agent systems, swarm warfare | Neeta Trivedi <i>Infergence Quotient, Bengaluru</i> |
| Cyber | Heather Harrison Dinniss <i>Swedish Defense University</i> |
| Automated disinformation campaigns | Kirsi Helkala <i>Norwegian Defense University College</i> |

18:00–19:00 Walk in gardens/break

19:00 Dinner at Casina Pio IV

Wednesday 20 September 2023

9:00–10:45

Sixth session: Regulatory approaches to weapon risks | Chair: Jovana Davidovic

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| Nuclear | Tom Sauer <i>Univ. of Antwerp</i> |
| Cyber | Katherine Prizeman <i>United Nations Office for Disarmament Affairs</i> |
| Autonomous Weapon Systems | Mary Ellen O’Connell <i>University of Notre Dame</i> |
| Conventional weapons | Nic Marsh <i>PRIO</i> |

10:45–11:00 Coffee Break

11:00–13:00

Seventh session: Ethics in the Defense industry and Military Training | Chair: Edward Barrett

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| Defense industry perspective | Kyrre Lohne <i>Kongsberg Defense and Aerospace</i> |
| Assuring the safety of AI-enabled weapons systems | Jovana Davidovic <i>University of Iowa</i> |
| Military training | Henrik Syse <i>PRIO</i> and James Cook <i>US Air Force Academy</i> |
| Drones | Christian Braun <i>King’s College London</i> |

13:00–14:00 Lunch at Casina Pio IV

14:00–15:30

Eighth session: Do “smart technologies” lower the threshold to war? | Chair: George Lucas

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| | Hew Strachan <i>University of St Andrews</i> |
| | Stephanie Carvin <i>Carleton University</i> |
| | Robert Latiff <i>University of Notre Dame Technology Ethics Center</i> |
| | Stefano Zamagni <i>University of Bologna</i> |

15:30–15:45 Coffee break

15:45–17:00 General Discussion

17:00 Conference ends

List of Participants

The Rev. Sr. Helen ALFORD

President of the Pontifical Academy of Social Sciences; Vice-Rector of the Pontifical University of Saint Thomas Aquinas, Rome

Edward BARRETT

Director of Strategy and Research, Stockdale Center for Ethical Leadership, United States Naval Academy, Retired Colonel US Air Force

Christian BRAUN

Lecturer in the Defence Studies Department at King's College London

Stephanie CARVIN

Associate Professor of International Relations at the Norman Paterson School of International Affairs, Carleton University, Ottawa, and Former National Security Analyst, Canada

Moran CERF

Professor of Neuroscience and Business, Center for Advanced Technology and Human Performance, Columbia University, USA

Nikita CHIU

Senior Lecturer in Innovation Policy at the University of Exeter Business School, England

James COOK

Professor Emeritus of Philosophy, US Air Force Academy, Colorado, USA, Retired Brigadier General, US Air Force. Chief Co-Editor of Journal of Military Ethics

Martin COOK

Emeritus Professor, US Army War College, USA

Marianne DAHL

Senior Researcher at Peace Research Institute Oslo (PRIO), Norway

Jovana DAVIDOVIC

Associate Professor of Philosophy at the University of Iowa, USA

Beatrice FIHN

Lawyer, Former Executive Director of the International Campaign to Abolish Nuclear Weapons (ICAN), Director Lex International

Heather HARRISON-DINNISS

Senior Lecturer at the Centre for International and Operational Law at the Swedish Defence University

Kirsi HELKALA

Professor at the Norwegian Defense University College and the Norwegian Defense Cyber Academy

Alexander KMENTT

Ambassador, Director of the Disarmament, Arms Control and Non-Proliferation Department of the Austrian Foreign Ministry, Vienna

Robert LATIFF

Retired US Air Force Major General and Private Consultant. He has served on the staffs of Headquarters US Air Force and the Secretary of the Air Force, USA, Adjunct Professor at the University of Notre Dame, Technology Ethics Center

Filippa LENTZOS

Senior Research Fellow at King's College London

Patricia LEWIS

Research Director for the International Security Programme at Chatham House, London

Kyrre LOHNE

Vice President Government Relations and Business Development, Kongsberg Defence & Aerospace, Norway

George LUCAS

Emeritus Professor of Philosophy, United States Naval Academy, USA

Nicholas MARSH

Senior Researcher at the Peace Research Institute Oslo (PRIO), Norway

Mary Ellen O'CONNELL

University of Notre Dame School of Law and Kroc Institute for International Peace Studies, USA

Katherine PRIZEMAN

Political Affairs Officer, Science, Technology and International Security Unit Office for Disarmament Affairs, United Nations, New York, USA

Gregory REICHBERG

Research Professor at the Peace Research Institute Oslo (PRIO), Norway

Tom SAUER

Professor in International Politics at the Universiteit Antwerpen, Belgium

Hew STRACHAN

Professor of the History of War at the University of St Andrews, Scotland

Henrik SYSE

Research Professor at the Peace Research Institute Oslo (PRIO), and Professor at Oslo New University College. Chief Co-Editor, Journal of Military Ethics

Neeta TRIVEDI

Founder CEO Inferigence Quotient Private Limited, Bengaluru, India

H.Em. Card. Peter TURKSON

Chancellor of the Pontifical Academy of Sciences
and of Social Sciences, Vatican City

Henrik URDAL

Director of the Peace Research Institute Oslo (PRIO), Norway

Msgr. Dario Edoardo VIGANÒ

Vice Chancellor of the Pontifical Academy of
Sciences and of Social Sciences, Vatican City

Wilfred WAN

Director of Stockholm International Peace Research Institute's
(SIPRI) Weapons of Mass Destruction Programme, Sweden

Stefano ZAMAGNI

Professor of Economics at the University of Bologna; Past
President of the Pontifical Academy of Social Sciences

MEMORANDUM

Pickup schedule from the Hotel il Cantico and the Domus Sanctae Marthae

- On 18 September a bus will leave the Hotel il Cantico at 6.30pm and the Domus Sanctae Marthae at 6.45pm to accompany guests to the dinner reception at the Casina Pio IV from 7.00 to 9.00pm.
- On 19 and 20 September a bus will leave the Hotel il Cantico at 8.30am and the Domus at 8.45am to accompany participants to the Casina Pio IV, where the meeting starts at 9.00am
- On 19 September the same buses will take Participants back to the Hotel il Cantico and the Domus Sanctae Marthae at 8.00pm (after dinner)
- On 20 September at the same buses will take Participants back to the Hotel il Cantico and the Domus Sanctae Marthae at 5.00pm
- Lunch and dinner for the participants will be served at the Academy on 19 September; on 20 September only the lunch. If you are a vegetarian or have any dietary restrictions (food allergies, and/or religious restrictions), please let us know as soon as possible.

General information

- Dress code is business attire.
- Invites are strictly personal. Please remember to bring a valid ID.
- In case of any problems, please call the Academy on +39 0669883195 or +39 0669881441.
- Please refer to www.pass.va for further information on the Academy, the Academicians, and current and past events.

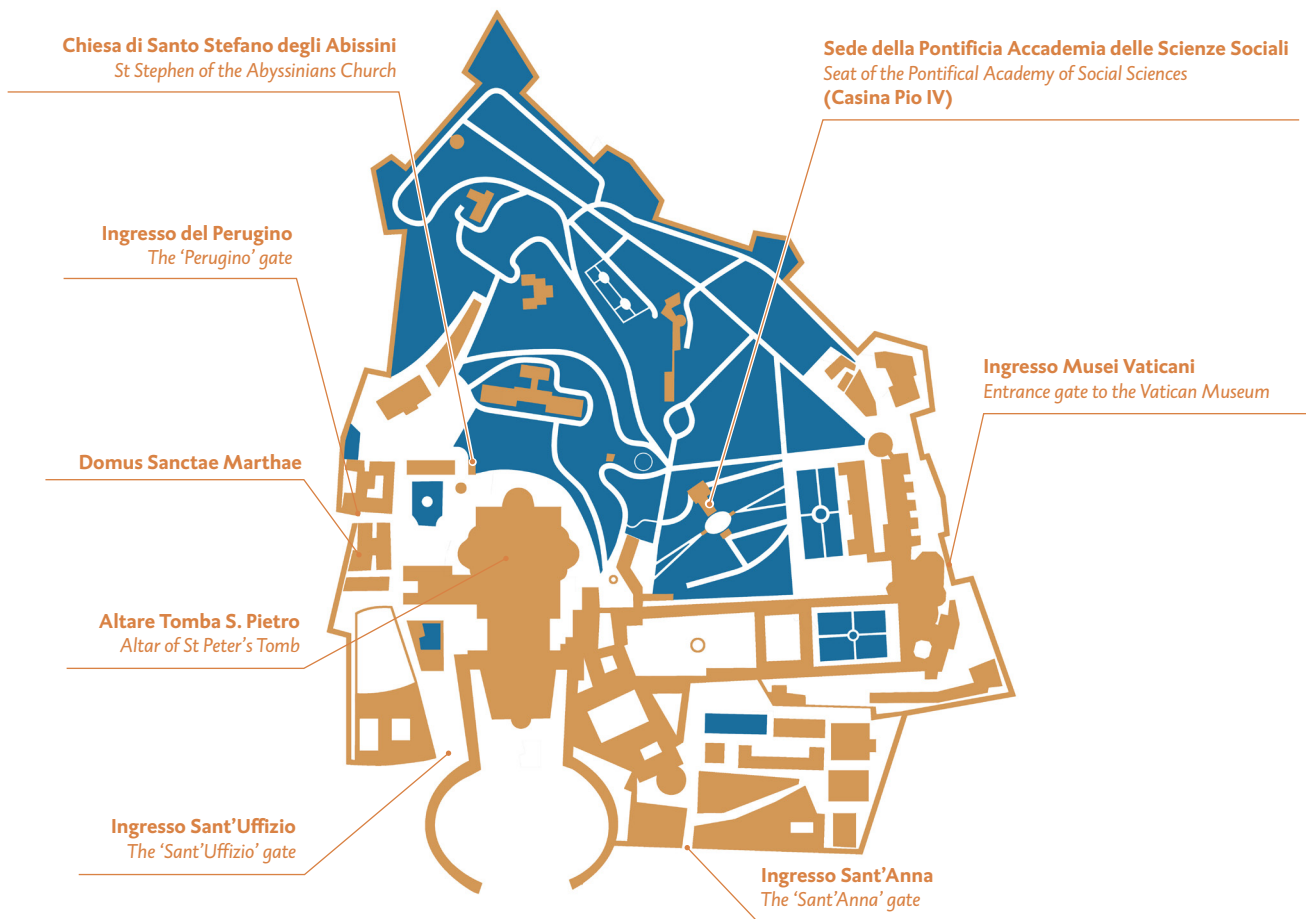
Updated Program

- https://www.pass.va/content/dam/casinapioiv/pass/pdf-booklet/booklet_paceminterris.pdf

WI-FI

- **WI-FI network:** academy-guest
- **Password:** G@rdens1936





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