

New Technologies and Humanitarian Action

DAY 1 – Thursday, October 1st, 2020

08:30 – 09:00 WELCOME AND REGISTRATION

09:00 – 09:30 OPENING REMARKS

Oreste FOPPIANI – *Head, Department of International Relations, Webster University Geneva*
 Clementina ACEDO – *Director, Webster University Geneva*
 Julian SCHUSTER – *President, Webster University (recorded video)*
 Olivier COUTAU – *Geneva State Council's Delegate for International Geneva*

09:30 – 10:00 KEYNOTE ADDRESS

The Defense Procurement and the Humanitarian Requirements
 Matteo BISCEGLIA – *Director, Organization for Joint Armament Cooperation (OCCAR) – via Zoom*

10:00 – 10:15 AWARD CEREMONY: Otto Hieronymi Prize 2019

10:15 – 11:15 SESSION 1: The Role of New Technologies in Combatting Illegal/Inhumane Businesses

Chair: Giuseppe DE GIORGI – *Adjunct Professor of International Security, Department of International Relations, Webster University Geneva, and former Chief of Staff of the Italian Navy*

High Tech vs. Human Trafficking

Michel VEUTHEY – *Ambassador of the S.O. of Malta to Monitor and Combat Human Trafficking, and Associate Professor of International Law, Department of International Relations, Webster University Geneva*

Technology: An Instrument of Humanitarian Action?

Alexandre VAUTRAVERS – *Editor-in-Chief, Revue Militaire Suisse (RMS), and Scientific Director, Center for Military History and Prospective Studies (CHPM)*

Tech4Humanity: Geneva's Legacy and Opportunity

Nicholas NIGGLI – *Deputy Secretary General, Department of Economic Development, Research and Innovation, Republic and Canton of Geneva*

11:15 – 11:30 Question and Answer Session

11:30 – 11:45 Coffee Break

11:45 – 12:45 SESSION 2: Health, Medicine and Technology

Chair: Françoise MAILLARD – *Head, Health Care Management Master and Certificates Programs, Walker School of Business & Technology, Webster University Geneva*

ALMANCH: The Use of Technology to Reduce Child Mortality

Rodolfo ROSSI – *Primary Health Care Program Coordinator, Health Unit, International Committee of the Red Cross (ICRC)*

COVID-19 Precision Epidemic Forecasting

Antoine FLAHAULT – *Director, Institute of Global Health, University of Geneva, Co-Director, Swiss School of Public Health, Zürich (via Zoom)*

The Humanitarian/Health Overlap

Laura WALKER McDONALD – *Senior Director, Insights & Impact, Digital Impact Alliance* (via Zoom)

12:45 – 13:00

Question and Answer Session

13:00 – 14:15

Lunch Break

14:15 – 15:30

SESSION 3: The Unexploited Potential of High Tech to Predict and Assess Humanitarian Needs

Chair: Kavé SALAMATIAN – *Professor of Computer Science, Université de Savoie Mont-Blanc / Polytech Annecy-Chambéry*

Diffusion and Adoption of New Technologies in Peace Operations

Veronica Waeni NZIOKI – *Master of Advanced Studies in International & European Security, Geneva Center for Security Policy (GCSP) and the Global Studies Institute (GSI), University of Geneva*

Remote Data Collection: The Experience of the International Committee of the Red Cross

Filippo MINOZZI – *Analysis & Evidence Advisor, Economic Security Unit, ICRC*

Innovating with High-Tech in Forced Displacement: Responding to the Needs of Today and Tomorrow

Rebeca MORENO JIMENEZ and Catherine SCHNEIDER – *Innovation Officer and Associate Innovation Officer and Data Scientist, UN High Commissioner for Refugees (UNHCR)*

Satellite Earth Observation and Natural Hazards: The Case of Wildfires

Luigi BOSCHETTI – *Professor of Remote Sensing, Department of Forest, Rangeland and Fire Sciences, University of Idaho* (recorded video)

15:30 – 15:45

Question and Answer Session

15:45 – 16:00

Coffee Break

16:00 – 17:00

SESSION 4: Legal and Operational Challenges in the Use of Artificial Intelligence

Chair: Dominique JOLLY – *Professor of Business Strategy, Chair of the Walker School of Business & Technology, Webster University Geneva*

Humanitarians and New Technologies: Hidden Operational Challenges, Opportunities and Ethical Dilemmas

Josh LYONS – *Director of Geospatial Analysis, Human Rights Watch*

The Challenges and Opportunities of AI Use in Global Politics

Roman CHESTNOV and Nan SHU – *Research Fellows, Department of International Relations, Webster University Geneva*

Human-Centric AI in the UNHCR: Intelligence Augmentation of Humanitarian Capabilities

Sofia KYRIAZI – *Innovation Officer and Data Scientist, UNHCR*

17:00 – 17:15

Question and Answer Session

17:15 – 17:30

Concluding Comments for the Day

DAY 2 – Friday, October 2nd, 2020

08:30 – 09:00 **WELCOME AND REGISTRATION**

09:00 – 09:45 **KEYNOTE ADDRESSES**

The Impact of Robotic Surgery

Philippe MOREL – Independent Surgeon, Specialist in Minimally Invasive Surgery & Robotic Surgery

Humanoid Robots

Aude BILLARD – Professor of Robotics and Artificial Intelligence, EPFL

09:45 – 10:45 **SESSION 5: The Ethics of Robotics**

Chair: **Christophe GERMANN – Adjunct Professor of International Law, Department of International Relations, Webster University Geneva**

Navigating the Ethics of Robotics: Mapping Three Types of Questions

Johan ROCHEL – Lecturer of Law & Ethics of Robotics, Co-founder and Co-director of Ethix, EPFL

Can Machines Make Ethical Decisions?

Guillaume FOURNIER – Executive Director, Geneva Institute of International Relations

Autonomous Drones: Current Status and the Road Ahead

Davide SCARAMUZZA – Director of the Robotics and Perception Group, University of Zürich

10:45 – 11:00 **Question and Answer Session**

11:00 – 11:15 **Coffee Break**

11:15 – 12:15 **SESSION 6: The Use of Drones to Deliver Humanitarian Aid in the Field**

Chair: **Vyara LAVCHEVA – Senior Expert, Armaments Policy Directorate, Ministry of Defense, Bulgaria**

Frontiers of Humanitarian Drone Applications

Denise SOESILO – Co-founder, Outsight International

The Geneva Drone Ambulance Project

Dimitri KONSTANTAS – Director, Information Science Institute, University of Geneva

A Look into UNICEF Malawi's Work with Drones

Bettina JUNKER – Executive Director, UNICEF Switzerland and Liechtenstein

12:15 – 12:30 **Question and Answer Session**

12:30 – 13:45 **Lunch Break**

13:45 – 15:00 **Virtual Reality Experience (VRE) – Ponte di Dialoghi. Il cammino della speranza (Bridges Beyond Borders)**
Gabriele BELTRAMI, C.S. – Spokesperson, Fondazione Centro Studi Emigrazioni (CSER). THE VRE WILL TAKE PLACE IN ROOM 13

15:00 – 15:15 **Closing Remarks, Oreste FOPPIANI, Head, Dept. of International Relations, Webster University Geneva**

15:15 – 15:30 **Concluding Comments, Webster University Geneva Student Organizing Committee, and Webster Humanitarian Association (WHA)**