

ORGANISING COMMITTEE:

Prof. Dr. Antonio Madrid Pérez (Coord.)
Prof. Dr. Jordi Bonet Pérez.
Mr. Milton Meza-Rivas.

REGISTRATION INFORMATION:

The workshop is free of charge. However, please confirm your participation by sending an email with your name and full affiliation to the Faculty's Postgraduate School, Faculty of Law, University of Barcelona:

escolapostgrau.dret@ub.edu

A certificate of attendance will be provided to participants.

If you are unable to attend the event, consider following all workshop sessions via *live streaming*. In this case, please send a message to the email address above referred to provide you all the technical information to.



UNIVERSITAT DE
BARCELONA

Facultat de Dret

INTERNATIONAL WORKSHOP:

“SENSE AND SCOPE OF AUTONOMY IN EMERGING MILITARY AND SECURITY TECHNOLOGIES”

Monday 27th February, 2017

9.30 – 17.40h

Venue: “Saló de Graus”. Faculty of Law. University of Barcelona. Avenida Diagonal, 684, 08034 – Barcelona, Spain.

www.ub.edu/dret/escolapostgrau



Institut de Robòtica
i Informàtica Industrial



IIIA
Institut d'Investigació en
Intel·ligència Artificial



Lancaster University
Law School



Universidad
Carlos III de Madrid



Center for a
New American
Security

PRESENTATION

The University of Barcelona will host an international full day workshop on the sense and scope of autonomy in emerging military and security technologies and their legal, technical, political and societal impact. This academic event brings together researchers, practitioners and experts who will focus on topics related to different R&D experiences and will provide a holistic and a prospective approach centered on the principles and rules of applicable International Law, in particular International Humanitarian Law and International Human Rights Law.

The workshop will include discussions on autonomous systems that require further attention in terms of their potential impacts on humanity and society. Emphasis will be placed not only on technology and public policy issues, but also on environmental, cultural, structural, political and socio-economic factors.

PROVISIONAL PROGRAMME

9.30 – 10.00 Arrival and registration

10.00 – 10.10 Welcome and opening speech

Prof. Dr. Xavier Pons i Rafols. Dean of the Faculty of Law. University of Barcelona.

10.10 – 11.30 SESSION 1: LEGAL ISSUES. A reflective analysis on the legal implications of research, development and innovation of emerging military autonomous systems.

Moderator: Prof. Dr. Rosa Ana Alija Fernández. Department of Criminal Law, Criminology and Public International Law and International Relations, University of Barcelona.

§ 10.10 – 10.40 “*What is autonomy in autonomous weapon systems?*” **MR. Joshua Hughes,** Lancaster Law School and the Richardson Institute, Lancaster University, United Kingdom.

§ 10.40 – 11.10 “*Legal Personhood and Autonomous Weapons*”. **DR. Migle Laukyte,** Ph.D in Law, Department of Private Law, the University Carlos III of Madrid, Spain.

11.10 – 11.40 Colloquium.

11.40 – 12.20 Coffee break.

12.20 – 13.50 SESSION 2: TECHNICAL ISSUES. Scientific reflections on the sense and scope of the concept of autonomy and its dimension within the sciences of the artificial.

Moderator: Dr. Maite López Sánchez, Faculty of Mathematics and Computer Science, and Coordinator of the Interuniversity Master in Artificial Intelligence, University of Barcelona.

§ 12.20 – 12.50 “*Short and long term risks of Artificial Intelligence*”. **Prof. Dr. Ramón López de Mantaras,** Director of the IIIA (Artificial Intelligence Research Institute) of the CSIC (Spanish National Research Council) at the Autonomous University of Barcelona, Spain.

§ 12.50 – 13.20 “*Software tools for the cognitive development of autonomous robots*”. **Dr. Pablo Jiménez Schlegl,** Robotics Department Head in the IRII (Institute of Robotics and Industrial Informatics) of the CSIC at the Polytechnic University of Catalonia, Spain.

13.20 – 13.50 Colloquium.

13.50 – 16.30 Lunch break.

16.30 – 17.30 SESSION 3: OTHER ISSUES. A reflexive approach on political and strategic implications consequence of design and use of emerging military and security technologies with high degrees of autonomy.

Moderator: Dr. Jaume Saura Estapà. Deputy General to the Catalan Ombudsman (*Síndic de Greuges*).

§ 16.30 – 17.00 “*The Terminator and the Roomba: What is Autonomy?*”. **Dr. Paul Scharre,** Director of the Future of Warfare Initiative at the Center for a New American Security, Washington, US.

17.00 – 17.30 Colloquium.

17.30 – 17.40 Closing remarks and closure.