



# Vulnerability in the Robot Society

**VIROS Symposium**  
**Venue: Gamle Festsal, Domus Academica**  
**University of Oslo**  
**28<sup>th</sup> September 2022**

This symposium explores cutting-edge regulatory challenges with respect to managing issues arising from the deployment of 'smart' robotics. The symposium is held under the aegis of the research project 'Vulnerability in the Robot Society' (VIROS).

The project is run by the Norwegian Research Center for Computers and Law (NRCCL) in collaboration with the ROBIN group at the Department of Informatics, University of Oslo.

## Registration

Registration by: **20 September at 15:00**, [registration here](#)

Attendance at the symposium is gratis but requires binding registration due to limited places.

places.

| Programme   |  |   |
|---|--|---|
| 09:00 – 09:30   | Registration, coffee/tea and technical demonstration of robot  |   |
| <b>Session I Keynote Session</b><br><b>[Chair: Professor Tobias Mahler]</b> |  |   |
| 09:30 – 09:40   | Opening Address: An Introduction to Vulnerability in the Robot Society   | Professor Lee A. Bygrave, University of Oslo  |
| 09:45 – 10:15   | Cybernetic Avatars: Authentication, Notarisation and Regulatory Visions from a Japanese Perspective  | Professor Fumio Shimpō, Keio University (online presentation)   |
| 10:15 – 10:20   | Comment  | Doctoral Research Fellow Mona Naomi Lintvedt, University of Oslo  |
| 10:25 – 10:35   | Discussion   |   |
| 10:35 – 11:00   | Coffee break (Spiserommet)   |   |
| 11:05 – 11:25   | Understanding Gaps in Standards, Regulations and Training Needs for Healthcare Professionals working alongside Physically Assistive Robots | Professor Praminda Caleb-Solly, University of Nottingham (online presentation)                              |
| 11:25 – 11:40   | Comment  | Commentators: Professor Illah Nourbakhsh, Carnegie Mellon University and Diana Saplacan, University of Oslo |
| 11:40 – 11:50   | Discussion   |   |
| 12:00 – 13:00   | Lunch (Aulakielleren)  |   |

| <b>Session II Technology and Regulation</b><br><b>[Chair: Professor Lee A. Bygrave]</b> |   |   |
|---|---|---|
| 13:00 – 13:10   | Introduction to VIROS tech big picture                          | Professor Jim Tørresen, University of Oslo  |
| 13:15 – 13:45   | Robot design, the GDPR and the European Health Data Space       | Assistant Professor Vera Lúcia Raposo, Coimbra University and Nova School of Law, Nova University |
| 13:45 – 13:50   | Comment   | Professor Woodrow Hartzog, Boston University  |
| 13:50 – 14:00   | Discussion  |   |
| 14:00 – 14:30   | Coffee break and technical demonstration of robot (Spiserommet) |   |

| Session III Ethics and Risk Perspectives<br>[Chair: Postdoctoral Fellow Diana Saplacan] |  |  |
|---|--|--|
| 14:30 – 15:00   | Beyond Data: Human Rights, Ethical and Social Impact Assessments in AI | Associate Professor Alessandro Mantelero, Polytechnic University of Turin                                    |
| 15:00– 15:15  | Comments   | Commentators: Professor Kristin Bergtora Sandvik and Postdoctoral Fellow Rebecca Schmidt, University of Oslo |
| 15:15 – 15:30   | Discussion and wrapping up   |  |
| 15:30 – 16:30   | Reception (Spiserommet)  |  |
| End of symposium. Safe travels!   |  |  |