Organised by the Policy Department A
Economic, Scientific & Quality of Life Policies for the Health Working Group of the
Committee on the Environment, Public Health and Food Safety (ENVI)

<u>Workshop</u>
'Robots in Healthcare: A Solution or a Problem?"

Tuesday 19 February 2019 from 15:00 to 17:00
(Altiero Spinelli Building A1 G-2)
European Parliament, Brussels

Chairs Health Working Group: Ms Soledad CABEZÓN RUIZ (MEP) and Mr Alojz
PETERLE (MEP)

The purpose of this workshop is to inform participants and Members of the ENVI Committee about the current status and potential applications of robotic and artificial intelligence (AI) in healthcare. The first part of the workshop will provide an overview of current uses and potential applications of robotics and AI in healthcare – including clinical practice, non-clinical activities in healthcare establishments and other healthcare activities such as rehabilitation or long-term care. The second part of the workshop will discuss the ethical and legal challenges as well as socio-economic implications of using robots and AI in healthcare.

AGENDA

15:00 – 15:05   Opening and welcome by the co-chair Mr Alojz PETERLE (MEP)

15:05 – 15:15   Statement by Ms Mady DELVAUX-STEHRES (MEP), JURI Vice Chair Rapporteur of the Report with recommendations to the Commission on Civil Law Rules on Robotics.

Panel 1: Practical applications of Artificial Intelligence (AI) and robots in healthcare

15:15 – 15:25   **Current use of robots in clinical practice (inside the body, on the body and outside the body) and its perspectives**
Prof. Alexandre Mottrie, Onze-Lieve-Vrouw Hospital Morgan Rouprêt, University Hospital Pitié-Salpêtrière

15:25 – 15:35   **Robots in general service delivery of healthcare establishments**
Dr. Kathrin Cresswell, Chief Scientist Office Chancellor's Fellow, Director of Innovation, Usher Institute of Population Health Sciences and Informatics at the University of Edinburgh

15:35 – 15:45   **Other healthcare related areas of implementation of robot technologies**
Prof. Daniel David, Professor of Clinical Psychology and Psychotherapy at the University of Cluj-Napoca

15:45 – 16:00   Questions & Answers

Panel 2: Ethical evaluation and responsibilities of AI and robots in healthcare

16:00 – 16:10   **Ethical aspects of using robots in healthcare**
Prof. Raja Chatila, Professor of Artificial Intelligence, Robotics and Ethics at Pierre and Marie Curie University

16:10 – 16:20   **Main challenges (including legal ones) and opportunities of using robots in healthcare**
Associate Prof. Robin L Pierce, Associate Professor of the Tilburg Institute for Law, Technology, and Society at the University of Tilburg

16:20 – 16:30   **Socio-economic rationale of implementing robot technologies in healthcare**
Andrea Renda, Senior Research Fellow and Head of Global Governance, Regulation, Innovation and the Digital Economy at the Centre for European Policy Studies and Digital Innovation Chair in the European Economic Studies Department at the College of Europe

16:35 – 16:50   Questions & Answers

Closing Session

16:50 – 17:00   Conclusions and closing by the co-chair Alojz PETERLE (MEP)