Universität Zürich[UZH]

Digital Society Initiative

Trust in Autonomous Machines

In a time where autonomous machines are emerging in more and more aspects of life, we ask ourselves what the conditions for a successful human-technology interaction are. Centered around the issue of *trust in autonomous machines*, this interdisciplinary conference examines what trust in machines implies, whether it is possible, what it would look like and why (if at all) it is important. We look at these questions from the perspective of philosophy, psychology, technology and medical sciences (to name but a few) and examine the impact of (lack of) trust in key areas of these disciplines.

The main goal of the conference is to bring researchers from different backgrounds together and enable fruitful discussions. The conference is open to researchers and students from all backgrounds who have an interest in trust, AI and related topics.

This two-day conference is part of the AI week at the Digital Society Initiative, UZH.

Dates: 26-27 November
Location: zoom, access link available upon registration
Registration: trust-conference@dsi.uzh.ch
Language: English
Fees: Free of charge
Keynote Speakers: Dr. Jasmina Bogojeska (IBM Research-Zurich), Dr. Marcel Heerink (Windesheim University), Dr. Philip Nickel (Eindhoven University of Technology), Prof. Dr. Anne Scherer (University of Zurich), Prof. Dr. med. Viktor Koelzer (University Hospital and University of Zurich)

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Thursday, 26/11/2020		
Time	**Topic**	**Speaker**
08:40-09:00	*Log-In & Welcome*	DSI Directorate
09:00-09:45	Trust in Autonomous Machines: An Overview from a Philosophical and a Technological Perspectives	**Dr. Christian Budnik (UZH)** **Dr. Manuel Günther (UZH)** Chair: Mira Wolf-Bauwens
09:45-09:55	*Break*	
09:55-10:55	Trust in Technology: The Role of Trust in The Acceptance of Social Robots	**Dr. Marcel Heerink (Saxion University)** Chair: Markus Christen
10:55-11:00	*Break*	
11:00-11:40	Trust as anti-monitoring: concept, definitions, and measure.	**Dr. Michele Loi (UZH), Dr. Andrea Ferrario (ETH), Dr. Eleonora Viganò (UZH)** Chair: Markus Kneer
11:40-11:45	*Break*	
11:45-12:25	'Second chance for a first impression? Accuracy and trust development in human-AI interaction'	**Suzanne Tolmeijer (UZH), Dr. ir. Ujwal Gadiraju (Delft University of Technology)** Chair: Eva Weber-Guskar
12:25-13:10	*Lunch Break*	
13:10 – 14:10	Attributing Trustworthiness to Autonomous Machines, Technological Systems, and People	**Dr. Philip Nickel (Eindhoven University of Technology)** Chair: Eva Weber-Guskar
14:10-14:20	*Break*	
14:20-15:30	Trust in AI: The Role and Importance of Multidisciplinary Shaping of Data and Models in Practical AI Applications	**Dr. Jasmina Bogojeska (IBM Research-Zurich)** Chair: Dr. Markus Kneer

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Friday, 27/11/2020		
Time	**Topic**	**Speaker**
08:40-09:00	*Log-In*	
09:00-10:00	Negative or Positive Advice: In AI We Trust	**Prof. Dr. Anne Scherer (UZH)** Chair: Nadine Bienefeld
10:00-10:10	*Break*	
10:10 – 10:50	Making Trust Safe for Robots	**Dr. Juri Viehoff (University of Manchester)** Chair: Nadine Bienefeld
10:50 -11:00	*Break*	
11:00-11:40	Normative expectations in human-robot interaction	**Dr. Markus Kneer (UZH)** Chair: Marisa Tschopp
11:40-11:45	*Break*	
11:45-12:40	The Trustworthiness and The Potential Inherent Bias Of AI-guided Medical Decisions.	**Prof. Dr. med. Viktor Koelzer (University Hospital Zurich and UZH)** Chair: Marisa Tschopp
12:40-12:45	*Summary & Closing*	Dr. Markus Christen (DSI)