The potential of AI for robotics innovations

3 March 2022 I Online symposium

Distinguished event in the series of the
50th Anniversary of Canadian-German research collaboration

AGENDA

Berlin	Toronto	
16:00	**10:00**	**Opening and welcome notes** Dr. Walter Mattauch I Federal Ministry for Economic Affairs and Climate Action, Germany Dr. Jennifer Decker I National Research Council Canada Christina Arend I German Canadian Concourse
16:20	10:20	Keynote presentation **"Digital transformation in the logistics sector"** Prof. Michael ten Hompel I Fraunhofer Institute for Material Flow and Logistics, Germany
16:40	10:40	Application area 1: **"3D Mapping and environmental perception"** **"Artificial intelligence based indoor cartography"** (15 min.) Dr. Dennis Schüthe I STILL GmbH, Germany **"How sensor fusion, perception and localisation solutions are used to enable automated driving"** (10 min.) Dr. Pierre Merriaux I LeddarTech, Quebec, Canada **"Semantic segmentation for indoor environments: What level of fidelity is necessary?"** (10 min.) Prof. Jonathan Kelly I University of Toronto, STARS Lab, Canada **Discussion** (15 min.)
17:30	**11:30**	**Break**

17:35	11:35	Keynote presentation **"Canadian AI strategy"** Dr. Joel Martin | National Research Council Canada
17:55	11:55	Application area 2: **"Federated learning for industrial robots"** **"Federated learning for robot picking"** (15 min.) Maximilian Gilles I Karlsruhe Institute of Technology, Germany **"Meaning of AI for robotics in automation"** (10 min.) Christian Tarragona I Festo SE & Co. KG, Germany **"AI in healthcare robotics"** (10 min.) Prof. Alexander Wong I University of Waterloo, Canada **Discussion** (15 min.)
18:45	12:45	Keynote presentation **"How to tap funding for new international collaborative projects?"** Andrew Bauder | National Research Council, Ontario, Canada
19:00	**13:00**	**Closing remarks** Dr. Walter Mattauch Dr. Jennifer Decker

Moderated by Johannes Linzbach, Festo SE & Co. KG, Germany

For more information, visit the event website:
https://projekttraeger.dlr.de/de/infothek/veranstaltungen/potential-ai-robotics-innovations

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