



The third wave of AI

Artificial Intelligence has been declared as multidisciplinary science in 1956. Since researchers and practitioners have invented and experimented various approaches and techniques as well as of conscious as unconscious AI. Its third wave has been triggered by big data on one hand, increased computer power and motivation to sale more and quicker on the other hand. Technologies as intelligent assistant, automated translators robots, cobots, autonomous vehicles are now available, but they raised other questions and challenges.

Ours speakers will try to answer the following questions:

- What Future with AI?
- Governance and Ethics of AI
- Main fields of AI
- Synergy Human- AI ?
- Examples of applications
- AI for Society – What impacts ?

Programme

May 8th, 2019

Vision of the Future powered by AI

10:00 Registration and coffee to in front of meeting room
 11:00 Welcome, AI @IFIP - Mike Hinchey, President IFIP, Michael Wiesmüller, Bundesministerium für Verkehr, Innovation und Technologie (BMVIT)
 11:30 **Life and Enterprise of the Future--Unlimited X** Global Revolution: Challenges, Opportunities and Frontier Issues - Stephen Ibaraki, Chairman REDDS Capital, Founder UN ITU AI for Good, Steering Committee AI Pioneers, Microsoft MVP AI / 14x MVP
 12:00 **Why Algorithmic Systems Possess No Understanding**, Prof Roger Penrose, University of Oxford
 Discussion
 13:00 – 14:00 **lunch**
 14 :00 **AI Governance and Ethics**
 -Dr Clara Neppel, Senior Director, IEEE
 -Dr. Ansgar Koene, Senior Research Fellow, University of Nottingham, Working group chair for IEEE Standard on Algorithm Bias Considerations
 -City of Vienna on certification
 15:00 **AI for health care** - Prof Georg Dorffner, Medical University of Vienna
 15:30 **AI overview** (map of covered fields and impacts) Eunika Mercier-Laurent, IFIP TC12
 16:00 – 16:30 **coffee break in front of meeting room**
 16:30 **Reasoning in AI or Why Reasoning needs Consciousness** - Ulrich Furbach, TC12, University of Koblenz
 17:00 **Big data, chatbots and NLP, what efficiency and benefits?** - Marco Guerini, Fondazione Bruno Kessler in Trento, Italy
 17:30-18:30 **AI for Smart city**
 18:30-20:00 **networking cocktail - social (and others) impact of AI?**

May 9th, 2019

AI for Society – What Impacts and Governance?

9:00- **The Role of AI in Transforming Transport** – Perspectives & Experiences -DI Martin Russ Geschäftsführer/Managing Director, AustriaTech

9:30 **Explainability of black-box approaches** - Andreas Holzinger, University of Graz TC12

10:00 **How to use AI to build a demand forecasting solution that improves retail efficiency and reduces food waste**, Rupert Schiessl, CEO Verteegeo

10:30 **coffee break**

11:00 AI in computer games - Helmut Hlavacs, Univ of Vienna, IFIP TC14

11:30: **AI & robotics** Horst Pichler, Joanneum Research

12:00 Future professions and jobs

12:30 – 13:30 **lunch**

13:30 **AI for Future Society** - Challenges and Perspectives (IFIP)
 AI for Humanity - Strategy for France
Collaborating safely to build a world empowered by AI - Dave Russell, Amazon video/IFIP

15:00 Closing Remarks



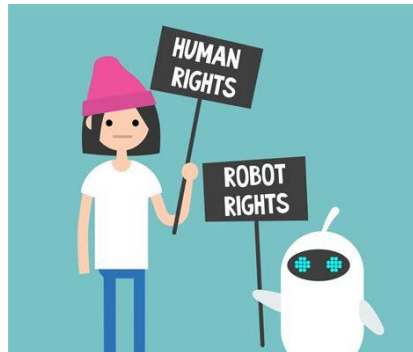
Access (map and information)

BMVIT
Radetzkystraße 2
1030 Vienna
Festsaal (groundfloor)

<https://www.bmvit.gv.at/en/ministerium/radetzky.html>

Registration

<http://bwm8bxgw.evenium.net>



**First Austrian IFIP Forum
“AI and future society”**

May 8-9, 2019

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Innovation und Technologie (BMVIT)
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