

Session Program

26-30 Aug 2019



Joint Annual Meeting of SPS and ÖPG 2019

Quantum and Artificial Intelligence: New Jobs for Physicists in Emergent Industries

Universität Zürich
Winterthurerstr. 190, 8057 Zürich

Thursday 29 August

14:00

Quantum and Artificial Intelligence: New Jobs for Physicists in Emergent Industries

Session | Location: G 60

14:00-14:10 **[51] Introduction**

Speaker

Thilo Stöferle

14:10-14:30 **[52] Benchmarking next-generation ion-trap quantum computers**

Speaker

Dr Max Hettrich

14:30-14:50 **[53] Can AI pass the exam for human pilots?**

Speaker

Dr Luuk van Dijk

14:50-15:10 **[54] Quantum Computing at Microsoft**

Speaker

Dr Damian Steiger

15:10-15:30

[55] AI assisted Scalable Knowledge Ingestion for Automated Discoveries

Speaker

Dr Michele Dolfi

15:30-15:50 **[56] Applying Quantum Computing to Quantum Chemistry**

Speaker

Jan Reiner

15:50-16:10

[57] Industrial AI at work: Cyber Physical Production Systems and Cognitive Services for Power Line Systems at Siemens Austria

Speaker

Herwig Schreiner

16:10-16:30 **[58] Sensing with Diamonds**

Speaker

Gabriel Puebla-Hellmann

16:30

17:00

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17:00-17:20 **[59] Zurich Instruments and the Race for the Quantum Computer**

Speaker

Dr Jan Benhelm

17:20-17:40

[60] Quantum and AI research: challenges for physicists at Bosch

Speaker

Dr David Reeb

17:40-18:00

[61] Quantum Technologies: from basic research to industry

Speaker

Dr Stephan Ritter

18:00-18:20

[62] Pathways for quantum researchers to industry

Speaker

Dr Frank Ruess

19:00