AIME22

Thursday, 17 November 2022 - Friday, 18 November 2022

Mercure Budapest Castle Hill

Scientific Programme

November 17

09:00-09:15: Dr. István Szabó (NKFIH): *Opening*
09:15-09:50: Z. Fóris (Human Mind Project): *Natural Language Understanding using the Concept Network Model*
09:50-10:15: A. Horváth (PPKE): *Preventing and restoring adversarial attacks in machine learning solutions*
10:15-10:40: Han Dols (CERN): *Accelerating Innovation: How CERN Technology Makes its Way into Society*

10:40-11:10: coffee break

11:10-11:55: A. György (Deepmind): *On the Role of Neural Collapse in Transfer and Few-Shot Learning*
11:55-12:20: P. Kovács (ELTE): *Spiking Variable Projection Neural Networks for Arrhythmia Detection*
12:20-12:45: G.G. Barnaföldi (Wigner RCP): *One Lab Many Projects -- Review of the Wigner Scientific Computing Laboratory*

12:45-14:00: Lunch

14:00-14:35: P. Antal (BME): *Bayesian (artificial) intelligence in the automation of science*
14:35-15:00: Chang Liu (SZTAKI): *UAVs collaborate with satellites in an early wildfire monitoring and rescue system*
15:00-15:25: Z. Somogyvári (Wigner RCP): *How to find a Unicorn: model free anomaly detection in time series*

15:25-16:00: coffee break

16:00-16:35: Balázs R. Sziklai (KRTK): *Testing Rankings with Cross-Validation*
16:35-17:00: M. Szabari (ELTE): *System identification with rational orthogonal functions*
17:00-17:25: P. Posfay (Wigner RCP): *Classifying ECG signlas using linear laws*

18:00- social dinner

November 18:

09:00-09:15: Károly Solymár (TIM) Deputy State Secretary
09:15-09:50: Tommaso Calarco (PGI-8, Jülich): *Building the second quantum revolution in Europe: from a flagship to a fleet*
09:50-10:20: Yasser Omar (PQI, Lisszabon): *The Revolution of Quantum Technologies*
10:20-10:45: Tamás Kiss (Wigner RCP): *Quantum Key Distribution: theory and practice*

10:45-11:00: coffee break

11:00-11:25 Zoltán Zimborás (Wigner RCP): *Simulation of quantum computers via FPGA based data-flow engines*
11:25-12:00: Anna Kaminska (Creotech Instruments S.A.) : *Building quantum computers - engineering challenges*
12:00-12:25: Mátyás Koniorczyk (Wigner RCP): *No-signaling and quantum correlations from the applications' point of view*
12:25-12:50: Zoltán Kolarovski (Wigner RCP): *Piquasso: Simulating photonic quantum computers*

12:45-14:00: Lunch

Join Zoom Meeting

Day 1:
https://wigner-hu.zoom.us/j/83530204761?pwd=WXAwcGo1SXA5U1UxRTZvaGFkWUVxZz09

Meeting ID: 835 3020 4761
Passcode: 174934

Day 2:
https://wigner-hu.zoom.us/j/88967921592?pwd=WC9SVE85U1ljdDFhem03TlBaVjhZUT09

Meeting ID: 889 6792 1592
Passcode: 596333