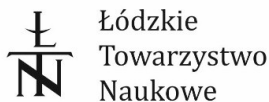


WORKSHOP ON QUANTUM HARDWARE-SOFTWARE SYSTEMS (QHSS 2023)



THEME: *From Quantum Mechanics to Quantum Hardware and Quantum Software...*

24th NOVEMBER 2023

(FRIDAY)

ON-SITE: Łódzkie Towarzystwo Naukowe, ul. M. Skłodowskiej-Curie 11, Łódź, Poland

ON-LINE: <https://us06web.zoom.us/j/83984624621>
<https://researchseminars.org/seminar/QHSS2023>

NO REGISTRATION REQUIRED

PROGRAM

13:00 – 13:05	Opening ceremony – dr Edward Karasiński (ŁTN Managing Director) – dr Krzysztof Pomorski (Lodz University of Technology, Quantum Hardware Systems, European Quantum Industry Consortium)
13:05 – 13:50	Quaternionic Description of Quantum Mechanics – prof. dr hab .inż. Marek Danielewski (AGH University of Science and Technology)
14:00 – 14:45	The fastest thermometer in the nanoworld – Konrad Norowski (IF PAN)
14:55 – 15:25	Proteox Dilution Refrigerator for Quantum Technologies – Spaziani Alesion (Oxford Instruments)
15:35 – 16:20	Fabrication of Quantum Structures based on Semiconductors and Superconductors in the Łukasiewicz – Institute of Microelectronics and Photonics – dr hab. Marek Guziewicz (Łukasiewicz Research Network)
16:30 – 17:15	Two Way Quantum Computers – dr Jarek Duda (Jagiellonian University)
17:25 – 18:10	A Password Manager for Post-Quantum Era – Samet Toynali (Gumushane University)
18:20 – 18:50	Quantum Conway Game of Life – Dariusz Kotula (Quantum Hardware Systems, Cracow University of Technology), dr Krzysztof Pomorski
19:00 – 19:45	A perspective on modelling and implementation of a hybrid semiconductor-superconducting quantum computer for high-scale integration – dr Krzysztof Pomorski
19:45 – 20:15	Coffee break / Discussion / Closure ceremony

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