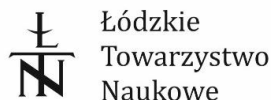


# WORKSHOP ON QUANTUM HARDWARE-SOFTWARE SYSTEMS (QHSS 2023)



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>

**NO REGISTRATION REQUIRED**

## PROGRAM

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

CONTACT: [kdvpomorski@gmail.com](mailto:kdvpomorski@gmail.com); [biuro@ltn.lodz.pl](mailto:biuro@ltn.lodz.pl)