

RExQTCS Kick-off

27th-28th April 2026

Senate Hall

POLITEHNICA Bucharest



Monday, April 27th

- 9:00 - 10:00 Registration
- 10:00 - 11:25 Opening
 - Rector **Mihnea-Cosmin Costoiu** (POLITEHNICA Bucharest)
 - Rector **Florin Drăgan** (Politehnica University Timișoara)
 - Rector **Liviu-George Maha** (Alexandru Ioan Cuza University of Iași)
 - Director **Adrian Curaj** (UEFISCDI)
 - President **Andrei Alexandru** (ANC)
 - State Secretary **Tudor Prisecaru** (Ministry of Education and Research)

 - Vicerektor **Ciprian Dobre** (POLITEHNICA Bucharest)
 - Vicerektor **Simona Caraiman** (Technical University Gheorghe Asachi Iași)
 - Vicerektor **Florin Oniga** (Technical University of Cluj-Napoca)
 - Acad. **Ioan Dumitrache** (Romanian Academy)
 - Director **Luca Tagliaretti** (ECCC)
 - Director **Dana Petcu** (ICAM)
 - Director **Adina Magda Florea** (HRIA)
 - Director **Călin Alexa** (ATLAS Romania)
 - Director **Victor Vevera** (ICI)
 - Director **Daniel Crunțeanu** (ROSA)
 - Director **Andrei Păun** (ICIA)
 - Director **Florin-Dorian Buzatu** (IFA)
 - Director **Mihaela Păun** (INCDSB)
 - Director **Cătălin Cornea** (MIPE)
 - Director **Vasile Manta** (Technical University Gheorghe Asachi Iași)
 - Director **Sorin Tașcu** (Alexandru Ioan Cuza University of Iași)
 - Dean **Cosmin Bonchiș** (West University of Timișoara)
 - Dean **Ion Bica** (Military Technical Academy "Ferdinand I")
 - Dean **Mihnea Moiescu** (POLITEHNICA Bucharest)
 - Dean **Mihnea Udrea** (POLITEHNICA Bucharest)
 - Dean **Ilona Costea** (POLITEHNICA Bucharest)
 - Vicedean **Marius Marian** (University of Craiova)
 - CEO **Cerasela Băiculescu** (IBM)
 - CEO **Gabriel Pavel** (Fsas Technologies - a Fujitsu Company)
 - CEO **Ștefan-Lucian Pârvu** (eVantage)
 - Quantum Ambassador **Daniel Mitroi** (IBM)
 - Director **George Gugulea** (CertSIGN)
 - Director **Răzvan Ioniță** (Bucharest Sector 6 City Hall)
 - Director **Pejman Panahi** (IDQuantique)
 - Director **Ilias Papastamatiou** (HellasQCI, SEEWQCI)
 - Director **Georgiana Carp** (Thales)
 - Director **Ștefan Lespezeanu** (Honeywell)
 - Director **Bogdan Chirilă** (QuantumData)
 - Director **Val Mureșan** (Equal1)

- 11:25 - 11:40 POLITEHNICA Bucharest's Impact in Quantum Technologies, **prof. Pantelimon George Popescu** (POLITEHNICA Bucharest)
- 11:40 - 11:50 RExQTCS Supreme Mentor, **prof. Virgil Gligor** (Carnegie Mellon University)
- 11:50 - 12:05 RExQTCS: Romanian Excellence in Quantum Technologies enhancing Cybersecurity - **Prof. Florin Pop** (POLITEHNICA Bucharest)
- 12:05 - 12:10 Group Photo
- 12:10 - 12:25 Coffee Break
- 12:25 - 12:35 ROGS: Romanian Optical Ground Station, **prof. Pantelimon George Popescu** (POLITEHNICA Bucharest)
- 12:35 - 13:00 Main Keynote - **prof. Bogdan Groza** (Politehnica University Timișoara) - *Car and Mobile Systems Security*
- 13:00 - 13:20 Keynote - **Dr. Piotr Rydlichowski** (Poznań Supercomputing and Networking Center) - *Quantum technologies projects integration in the National Research Networks Environment and Infrastructure - challenges and opportunities*
- 13:20 - 14:30 Lunch Break (on-site)
- 14:30 - 15:30 International Projects - Chaired by **Dr. Ilias Papastamatiou** (GRNET - National Infrastructures for Research and Technology)
 - **QCI-AT-CZ-PL / QCI-SK-CZ-PL** - Dr. Piotr Rydlichowski (Poland)
 - **SEEWQCI** - Nana Anastasopoulou (Greece)
 - **TransEuroOGS** - Dr. Siebert Torsten (Germany)
 - **SBIQCI** - Dr. Konstantin Ivanov (Bulgaria)
 - **ROGS** - Dr. Alin Popa (Romania)
 - Q&A
- 15:30 - 16:00 RExQTCS pillars and Management Structure - **Dr. Alin Popa, prof. Marios Choudary** (POLITEHNICA Bucharest), **prof. Vasile Manta** (Technical University Gheorghe Asachi Iași), **prof. Dan Mancaș** (University of Craiova)
- 16:00 - 16:20 Coffee Break
- 16:20 - 17:30 RO Computer Science History Lesson - Chaired by **prof. Nicolae Tăpuș** (POLITEHNICA Bucharest)
 - **General RO Computers History** - prof. Nicolae Tăpuș (POLITEHNICA Bucharest)
 - **IBM Blue Gene @ UVT** - prof. Dana Petcu (West University of Timișoara)
 - **First Manual of Computer Science in RO** - prof. Vasile Manta (Technical University Gheorghe Asachi Iași)
 - **From Vacuum Tubes to Integrated Circuits @ UPT** - prof. Vladimir-Ioan Crețu (Politehnica University Timișoara)
 - **UTCN Computers History** - prof. Florin Oniga (Technical University of Cluj-Napoca)
 - **Comm. and Computing Infra. @ UCv** - prof. Dan Mancaș (University of Craiova)
 - **Comm. and Computing Infra. @ UAIC** - Dr. Paul Gasner (Alexandru Ioan Cuza University of Iași)
- 17:30 - 18:00 Sponsors: Adobe, Renault Group (Corneliu Constantin Tascu), EVANTAGE (Ștefan-Lucian Pârvu), BlueSpace Technology (Emil Simion)









Tuesday, April 28th (RExQTCS Workshop)

- 9:00 - 10:00 Registration
- 10:00 - 11:00 RExQTCS Plenary (private) / Short visit COTROCENI Museum
- 11:00 - 12:00 Research Session #1 - Chaired by Dr. Diana Maimuț (ITA)
 - **Grover Insides** - Raj-Alexandru Guțoiu (UPB)
 - **Key-Recovery Side-Channel Attack on the Berlekamp-Massey Decoding Algorithm in the Classic McEliece KEM** - Andrei Alexei, Marios Omar Choudary (UPB), Vlad-Florin Drăgoi (UAV)
 - **Voltage-Based Fingerprinting and Clustering for Identifying In-Vehicle Electronic Control Units** - Bogdan Groza, Patricia Iosif, Lucian Popa (UPT)
 - **Continuous tunability of refractive index contrast in lithium niobate optical waveguides for efficient quantum communications** - Sorin Tașcu (UAIC)
 - **On multiagent online problems with predictions** - Gabriel Istrate (UB), Cosmin Bonchiș, Victor Bogdan (UVT)
 - **Time Series Analysis with Hybrid Classical-Quantum Machine Learning** - Stefan-Alexandru Jura, Mihai Udrescu (UPT)
- 12:00 - 12:20 Coffee Break
- 12:20 - 12:40 Keynote - **prof. Vlad-Florin Drăgoi** (Aurel Vlaicu University of Arad) - *Code-Based Cryptography*
- 12:40 - 13:00 RExQTCS Quantum Research - **prof. Vasile Manta** (Technical University Gheorghe Asachi Iași), **prof. Mihai Udrescu** (Politehnica University of Timișoara)
- 13:00 - 14:30 Lunch Break (on-site)
- 14:30 - 14:45 RExQTCS Education & Industry - **prof. Dana Petcu** (West University of Timișoara)
- 14:45 - 15:00 RExQTCS Cryptography Research - **prof. Marios Choudary** (POLITEHNICA Bucharest)
- 15:00 - 15:15 RExQTCS Integration with QKD RO Infrastructure - **prof. Dan Mancaș** (University of Craiova)
- 15:15 - 15:30 RExQTCS Software - **Dr. Alin Popa, Bogdan Ciobanu** (POLITEHNICA Bucharest)
- 15:30 - 16:00 Coffee Break
- 16:00 - 17:00 Research Session #2 - Chaired by **prof. Mihai Udrescu** (UPT)
 - **QUDA: Quantum Distributed Adder Algorithm** - Sorana Catrina (UPB)
 - **Approximate Pattern-Matching for Real-Time Cybersecurity: From DNA Sequences to Blockchain Smart Contracts** - Darius Galiș (UVT)
 - **Contemporary Agent Technology: LLM-Driven Advancements vs Classic Multi-Agent Systems** - Costin Bădică (UCv)
 - **Trust Without Exposure: Integrating Privacy-Enhancing Technologies in Blockchain Systems** - Cristian Butincu (TUIași)
 - **SpecRep: Adversary Emulation Based on Attack Objective Specification in Heterogeneous Infrastructures** - Adrian Coleșa (UTCN)
 - **Cloning Encrypted Quantum States in Arbitrary Dimensions** - Diana Maimuț, Filip Ceară (ITA)
- 17:00 - 17:30 Industry Collaborations
- 17:30 - 17:45 Closing