



**UNIVERSITATEA MARITIMĂ
DIN CONSTANȚA**
Bun venit la bord!



QUANTUM-ENHANCED CYBERSECURITY – A Practical Introduction to Quantum Cryptography for Data Protection in the Digital Era Romanian National Quantum Communication Infrastructure RoNaQCI Workshop, 16-18 September, 2024, Constanța

16 September UMC – Nautical Base

- 9:00 – 10:00 Registration on site
10:00 – 10:30 **Opening Remarks:**
Gabriel RAICU – Rector Universitatea Maritima din Constanta
Gabriel BALAN - Sef Serviciu Tehnologia Informatiei si Comunicatii,
Autoritatea Navala Romana
Claudiu Ortensie FILIP - Director General Institutul Național de Cercetare Dezvoltare pentru
Tehnologii Izotopice și Moleculare INCDTIM Cluj-Napoca
Mihai CARABAS - Director Proiect RoNaQCI, POLITEHNICA Bucuresti
- 10:30 – 12:30 Lesson 1 – **Basic Quantum Knowledge**
12:30 – 14:00 Lunch break & *Posters Session*
Visit UMC Nautical Base
- 14:00 – 16:00 Lesson 2 – **Quantum Key Distribution for Top Secret Data Transmission**

17 September UMC – Nautical Base

- 9:00 – 10:00 Registration on site
10:00 – 10:30 **Panel: Why Quantum Communications?**
Moderator: **George Pantelimon POPESCU** – Director Tehnic RoNaQCI, POLITEHNICA
Bucuresti
Jerzy SYPEK - Training Manager - ESDC Cyber ETEE Configuration & E-Learning
Management
Emilian STERE – Managing Director CMA CGM Romania
Gabriel RAICU – Rector Universitatea Maritima din Constanta
Ionut Daniel BARBU – Security Director Adobe
Luiza BUIMAGA-IARINCA - INCDTIM Cluj-Napoca
Mihai UDRESCU - Universitatea Politehnica Timisoara
Mircea ZUS - Universitatea Maritima din Constanta
- 10:30 – 12:30 Lesson 3 – **Python Programming towards QKD implementations**
12:30 – 14:00 Lunch break & *Posters Session*
14:00 – 16:00 Lesson 4 – **Interacting with a QKD Device**

18 September UMC – Nautical Base

- 9:00 – 10:00 Registration on site
10:00 – 10:30 Sorin SINTEA - **Quantum Ready VPN Network**
10:30 – 12:30 Lesson 5 – **Usage and Integration of QKD Services**
12:30 – 14:00 Lunch break & *Closing*



RoNaQCI: Romanian National Quantum Communication Infrastructure