

## **Session Program**

**30 September 2025 to 3 October 2025**

# **QuICS - Quantum: Information, Complexity, Simulation**

## ***Junior Speakers***

Bari (Italy) - Palazzo dell'Acqua, Conference Room  
Palazzo dell'Acqua, Via Salvatore Cognetti, 36 70121 Bari (BA), Italy Room: Sala Conferenze

Tuesday 30 September

17:00

17:30

Junior Speakers

Session |

Location: Bari (Italy) - Palazzo dell'Acqua, Conference Room, Palazzo dell'Acqua, Via Salvatore Cognetti, 36 70121  
Bari (BA), Italy Room: Sala Conferenze

17:00-17:30

Environment-induced quantum phase transitions and quantum Fisher information in two-level systems

Speaker

Grazia Di Bello

## Wednesday 1 October

17:00

### Junior Speakers

#### Session

**Location:** Bari (Italy) - Palazzo dell'Acqua, Conference Room, Palazzo dell'Acqua, Via Salvatore Cognetti, 36 70121 Bari (BA), Italy Room: Sala Conferenze

17:00-17:30

### Observational entropy of quantum correlations and entanglement

#### Speaker

Leonardo Rossetti

17:30

## Thursday 2 October

16:10

### Junior Speakers

**Session** |

**Location:** Bari (Italy) - Palazzo dell'Acqua, Conference Room, Palazzo dell'Acqua, Via Salvatore Cognetti, 36 70121 Bari (BA), Italy Room: Sala Conferenze

16:10-16:40

#### Tensor network simulation of a waveguide QED architecture with multiple emitters

**Speaker**

Rosa Lucia Capurso

16:40

17:00

### Junior Speakers

**Session** |

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17:00-17:30

#### Reliable quantum advantage in quantum battery charging

**Speaker**

Davide Rinaldi

17:30

## Friday 3 October

12:00

### Junior Speakers

**Session**

**Location:** Bari (Italy) - Palazzo dell'Acqua, Conference Room, Palazzo dell'Acqua, Via Salvatore Cognetti, 36 70121 Bari (BA), Italy Room: Sala Conferenze

12:00-12:30

**Thermodynamic analysis of uniform real-phased qubits states****Speaker**

Paolo Scarafile

12:30-13:00

**Optimal and robust error filtration for quantum information processing****Speaker**

Aaqib Ali

13:00