



# Discrete and Continuous Signals: Analysis, Information and Applications

## Thursday 14 December 2023

### Quantum Information Session (15:00-16:35)

time	[id] title	presenter
15:00	[39] On generating quantum channels	GUMEROV, Renat KHAZHIN, Ruslan
15:25	Break	
15:30	[40] On some properties of classical and quantum random walks	GRISHIN, Stanislav
15:55	Break	
16:00	[41] A semigroup approach to describing the stochastic dynamics of a quantum system	UTKIN, Andrey

### Quantum Information Session (17:00-17:25)

time	[id] title	presenter
17:00	[42] Continuation of the family of projectors to a positive operator-valued measure and restoration of the quantum state after measurement	ALEKSEEV, Anton

# Friday 15 December 2023

## Quantum Information Session - 217b (15:00-16:15)

time	[id] title	presenter
15:00	[45] Symmetries of $C^*$ -algebras	TURILOVA, Ekaterina
15:35	Break	
15:40	[46] Entanglement-based approach to quantum coherence, path information, and uncertainty	KODUKHOV, Aleksei KRONBERG, Dmitry

## Quantum Information Session - 2176 (16:45-17:40)

time	[id] title	presenter
16:45	[48] Example of a non-covariant channel constructed using the unitary irreducible representation of a finite group, for which classical capacity is calculated	RYSKIN, Lev
17:10	Break	
17:15	[49] Characterization of non-adaptive Clifford channels	YASHIN, Vsevolod