



# Discrete and Continuous Signals: Analysis, Information and Applications

## Wednesday 13 December 2023

### Theoretical Computer Science Session (10:00-11:30)

time	[id] title	presenter
10:00	[26] On primitive recursive and automatic structures	BAZHENOV, Nikolay
10:30	[27] On the decision problem for quantified probability logic	SPERANSKI, Stanislav
11:00	[28] Recursion elimination: from olympiad problems to program optimization	SHILOV, Nikolay

### Theoretical Computer Science Session: Theoretical Computer Science Session (12:00-13:30)

time	[id] title	presenter
12:00	[29] Monomial combinatorics of polynomial ideals and related algorithms	VASILYEV, Nikolay
12:45	[30] Search of structures computable in polynomial time	ALAEV, Pavel

# Thursday 14 December 2023

## **Theoretical Computer Science Session (15:00-16:30)**

time	[id] title	presenter
15:00	[31] Lower bounds for regular resolution over parities	ITSYKSON, Dmitry
15:45	[32] Complexity for theories with Kleene star	KUZNETSOV, Stepan

## **Theoretical Computer Science Session (17:00-18:30)**

time	[id] title	presenter
17:00	[33] Exact real computation for differential equations	SELIVANOVA, Svetlana
17:30	[34] Lower bounds for monotone minimal perfect hashing revisited	KOSOLOBOV, Dmitry
18:00	[35] Phase shift and multi-controlled Z-type gates	NOVIKOV, Andrey