

COPAB 2025 – Workshop schedule

Monday	8.45 – 9.00	Opening		
	9.00 – 9.30		Jürgen Kurths	<i>Complexity from ordinal pattern positioned slopes</i>
	9.30 – 10.00		Yong Zou	<i>Apply ordinal pattern transition networks to characterize statistical complexity and periodic windows</i>
	10.00 – 10.30	Coffee break		
	10.30 – 11.00		Alejandro Frery	<i>Statistical properties of features from ordinal patterns</i>
	11.00 – 11.30		Milan Paluš	<i>Complex dynamics and causality: phase-space partition or ordinal patterns?</i>
	11.30 – 12.00		Ulrich Parlitz	<i>Ordinal pattern analysis of high-dimensional time series</i>
	12.00 – 13.30	Lunch break		
	13.30 – 14.00		Angelika Silbernagel	<i>Limit theorems for the symbolic correlation integral under short-range dependence</i>
	14.00 – 14.30		Christian Weiss	<i>Non-parametric monitoring of spatial dependence</i>
	14.30 – 15.00		Philipp Adämmer	<i>OrdinalPatterns.jl: A Julia package for the statistical analysis of (spatial) time series using ordinal patterns</i>
	16.30 – 18.00	Roombeek tour		
	19.00	Dinner		
Tuesday	9.00 – 9.30		Cristina Masoller	<i>Characterizing and detecting regime transitions by using ordinal analysis</i>
	9.30 – 10.00		Bruno R. R. Boaretto	<i>Unveiling spike timing patterns in chaotic lasers: An approach using ordinal analysis and machine learning</i>
	10.00 – 10.30		Juan Gancio	<i>Permutation entropy-based early warning indicators for explosive synchronization in networks of Kuramoto oscillators</i>
	10.30 – 11.00	Coffee break		
	11.00 – 11.30		Grzegorz Graff	<i>Investigating cardiovascular interactions using ordinal patterns and ordinal patterns in assessing cardiovascular regulation</i>
	11.30 – 12.00		Beata Graff	<i>Advancing our understanding of cardiovascular diseases: The role of non-invasive methods</i>
	12.00 – 13.30	Lunch break		
	13.30 – 14.00		Manuel Ruiz Marín	<i>Unsupervised time-event probabilistic classification using large panels of time series and ordinal patterns</i>
	14.00 – 14.30		Mariano Matilla García	<i>Specification tests based on ordinal patterns</i>
	14.30 – 15.00	Coffee break		
	15.00 – 15.30		Marco Oesting	<i>Patterns in spatio-temporal extremes</i>
	15.30 – 16.00		Giorgio Micali	<i>Change-point detection via turning rate analysis</i>
	16.00 – 16.30		Herold Dehling	<i>Large sample behavior of ordinal patterns in time series</i>
	19.00	Workshop dinner		
Wednesday	9.00 – 9.30		José M. Amigó	<i>On algebraic representations of time series, transcripts, and applications</i>
	9.30 – 10.00		Aurelio Bariviera	<i>Characterizing textures using information from Hilbert curve paths</i>
	10.00 – 10.30		Taichi Haruna	<i>An extension of ordinal persistent homology for coupling complexity analysis in terms of subpattern matching</i>
	10.30 – 11.00	Coffee break		
	11.00 – 11.30		Zahra Shahriari	<i>Synchronization detection using spatial ordinal partitions in networked dynamical systems</i>
	11.30 – 12.00		Michael Small	<i>An ordinal partition of state space provides good preservation of information</i>
	12.00 – 12.15	Closing		
	12.15 – 13.15	Lunch		