



UMEÅ UNIVERSITY

Programme

48th Winter Conference in Statistics, March 10-14, 2024, Hemavan

Theme: Mathematical Foundations of AI & Statistical Learning

Breakfast: 07.30 – 09.00; Lunch: 12.00 – 13.00		
Coffee/Tea: 10.00, 15.30 (Lounge bar)		
Sunday, March 10		
Dinner	18.15 – 19.30	
Welcome reception	20.00	Lounge bar
Monday, March 11		
Kjersti Aas	08.15 – 09.00	Explainable AI – Introduction
Kjersti Aas	09.15 – 10.00	Explainable AI – Shapley values
<i>Participant pitch</i>	10.00 – 10.30	
<i>Contributed speaker:</i> Oskar Allerbo	16.30 – 17.30	Solving kernel ridge regression with gradient descent for a non-constant kernel (after an introduction to kernel methods)
Dinner	18.15 – 19.30	
Poster Session	20.00 – 22.00	Albert Wendsjö Emma Andersdotter Svensson Filip Edström Hassan Bozorgmanesh Huixia Wang Joakim Wallmark Josline Adhiambo Otieno Kean Tang Konstantinos Konstantinou Lars Mattsson Michele di Sabato Mohammad Ghasempour Mohammad Reza Seydi Stefan Stojanovic



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Tuesday, March 12		
Kjersti Aas	08.15 – 09.00	Explainable AI – Counterfactual explanations
<i>Contributed speaker:</i> Nicola Orsini	09.15 – 10.00	The role of quantiles in statistical learning
<i>Winter Games</i>	15.15 – 16.30	
<i>Contributed speaker:</i> Stefan Stojanovic	17.15 – 18.00	High-dimensional bandits: when is SVD provably all you need?
Conference Dinner	19.00	
Wednesday, March 13		
Guido Montúfar	08.15 – 09.00	Deep learning – data, approximation, optimization
Guido Montúfar	09.15 – 10.00	Deep learning – generalization, over-parametrized models
<i>Contributed speaker:</i> Ezgi Türkarslan	16.15 – 17.00	An extended EDAS method with circular intuitionistic fuzzy value features and its application to multi-criteria decision-making process
<i>Contributed speaker:</i> Emma Andersdotter Svensson	17.15 – 18.00	Equivariant manifold neural ODEs and differential invariants
Dinner	18.15 – 19.30	
Thursday, March 14		
Guido Montúfar	09.15 – 10.00	Deep learning – learning regimes, algorithmic regularization
Guido Montúfar	10.15 – 11.00	Deep learning – parameter and function space perspectives of learning
<i>Closing</i>	11.00 – 11.10	
Lunch	11.10	
Departure by bus	12.15	