

Trees4Cat Workshop 2024

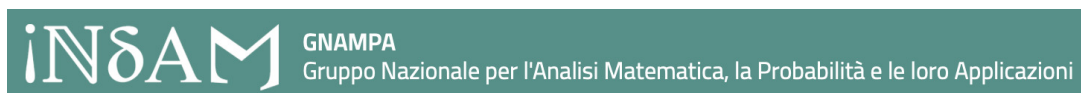
Program

Department of Mathematics (DIMA), University of Genoa

21st - 23rd October 2024



The event is supported by:



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DIPARTIMENTO
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DISIA
DIPARTIMENTO DI STATISTICA,
INFORMATICA, APPLICAZIONI
"GIUSEPPE PARENTI"
ECCELLENZA 2023-27

Monday, 21st October

- **14:00 - 16:00:** Software for Staged Tree Models
Speaker: Manuele Leonelli
- **16:00 - 16:30:** Coffee Break
- **16:30 - 18:30:** Algebraic Statistics of Tree Models
Speaker: Eliana Duarte
- **18:30-19:30:** Aperitivo

Tuesday, 22nd October

- **09:00 - 10:00:** Statistical Information Theory meets Categorical Data Analysis
Speaker: Maria Kateri
- **10:00 - 10:30:** Coffee Break
- **10:30 - 12:30:** Algebraic Statistics Session
 - **10:30 - 11:10:** Rational MLE and Direct Sampling from Conditional Distributions
Speaker: Shuhei Mano
 - **11:10 - 11:50:** Maximum Likelihood Degree of Discrete Models
Speaker: Orlando Marigliano
 - **11:50 - 12:30:** Discovery of Statistical Equivalence Classes using Computer Algebra
Speaker: Anna Maria Bigatti
- **12:30 - 14:30:** Lunch
- **14:30 - 15:30:** Getting the Most from Your Data in Causal Structure Identification with the Help of Geometry
Speaker: Liam Solus
- **15:30 - 16:00:** Coffee Break
- **16:00 - 18:00:** Graphical Models Session
 - **16:00 - 16:40:** Marginal Independence Structure of DAG Models
Speaker: Danaï Deligeorgaki
 - **16:40 - 17:20:** Path-Dependent Parametric Decompositions in Ising Models
Speaker: Monia Lupparelli
 - **17:20 - 18:00:** Scalable Structure Learning for Sparse Context-Specific Systems
Speaker: Alex Markham

Wednesday, 23rd October

- **09:00 - 10:00:** On the Analysis of Data from Incomplete Experiments
Speaker: Tamás Rudas
- **10:00 - 10:30:** Coffee Break
- **10:30 - 11:50:** Chain Event Graphs Session
 - **10:30 - 11:10:** Evaluating Screening Policies Using Chain Event Graphs
Speaker: Jane Hutton
 - **11:10 - 11:50:** Chain Event Graphs with Spatial Extensions: A Shiny App for Encoding Expert Judgement
Speaker: Hollie Calley
 - **11:50 - 12:30:** Modeling and Visualizing Uncertainty in Context-Specific Models
Speaker: Manuele Leonelli