Trees4Cat Workshop 2024

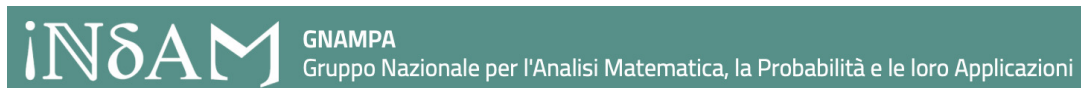## Program

Department of Mathematics (DIMA), University of Genoa

21st - 23rd October 2024

The event is supported by:

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: Danai 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 Callie

  - **11:50 - 12:30**: Modeling and Visualizing Uncertainty in Context-Specific Models
    Speaker: Manuele Leonelli