



February 11, 2021

International Day of Women and Girls in Science

Università degli Studi di Torino, Politecnico di Torino

Program

09:00–10:00 Prof. Susanna Terracini *Women and Mathematics, where are we?*
Discussion

10:00–10:15 Coffee break

First thematic session

10:15–11:15 Giulia Chiari *Mathematical models for oncology: a synergy of sciences towards personalized medicine*

Irene De Blasi *Billiards with refraction: an example from Celestial Mechanics*

Alice Ruighi *Nonlinear Schrödinger dynamics on metric graphs (a variational approach)*

11:15–11:30 Coffee break

Second thematic session

11:30–12:30 Martina Busetto *Numerical modelling in porous media using the Virtual Element Method*

Elena Travaglia *A 1D numerical model for incompressible fluids in pipes with variable section*

Martina Vanelli *Game theory and applications: from opinion dynamics to electricity markets*

12:30–14:00 Lunch break

Third thematic session

14:00–15:00 Giulia Ferrari *Movement in/of mathematics: insights from a research in Mathematics Education*

Carola Manolino *Cultural Transposition and the Semiosphere: tools for analysing mathematical discourse*

Elena Scalambro *Gino Fano's pioneering role: a case-study from the History of Mathematics*

15:00–15:15 Coffee break

Fourth thematic session

15:15–16:00 Lucrezia Bottegoni *An overview of separable functors and their applications*

Francesca Salvatore *Special geometric structures in six and seven dimensions*

Interactive workshop

16:00–17:00 Federica Lucco-Castello *Origami and mathematical thinking*