UNIVERSITA DEGLI STUDI DI TORINO

POLITECNICO DI TORINO

DIPARTIMENTO DI MATEMATICA GIUSEPPE PEANO
UNIVERSITÀ DI TORINO

DISMA
ECCELLENZA 2018·2022

European Women in Mathematics

International Day of Women and Girls in Science

FEBRUARY 11, 2021

9:00 **Prof. Susanna Terracini**
"Women and Mathematics: where are we?"

10:15 **Giulia Chiari**
Irene De Blasi
Alice Ruighi

11:30 **Martina Busetto**
Elena Travaglia
Martina Vanelli

14:00 **Giulia Ferrari**
Carola Manolino
Elena Scalambro

15:15 **Lucrezia Bottegoni**
Francesca Salvatore

16:00 **Federica Lucco-Castello**
Interactive Workshop
"Origami and mathematical thinking"

ORGANIZERS:
Irene De Blasi
Francesca Salvatore
Elena Scalambro

PARTNERS:
Department of Mathematics "G. Peano", Università di Torino
Department of Mathematical Sciences "L. Lagrange", Politecnico di Torino
European Women in Mathematics

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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*