



UNIVERSITÀ
DEGLI STUDI
DI TORINO



DIPARTIMENTO
DI MATEMATICA
GIUSEPPE PEANO
UNIVERSITÀ DI TORINO



POLITECNICO
DI TORINO



May 19, 2022

Women in Mathematics Day

Università degli Studi di Torino, Dipartimento di Matematica, Aula 4

Program

09:00–09:30	Susanna Terracini Anna Maria Fino	Institutional greetings
First session		
09:30–10:10	Lucrezia Bottegoni	<i>On idempotent completion in category theory</i>
	Giulia Chiari	<i>Mathematical oncology: an analysis of cancer population dynamics and radiotherapy treatments towards personalized medicine</i>
10:10–10:30		Coffee break
Second session		
10:30–11:30	Beatrice Pitton	<i>Definable subsets in generalized descriptive set theory</i>
	Francesca Ballatore	<i>A continuum mechanical model to predict the growth of brain tumours and the deformation of white matter tracts</i>
	Gessica Alecci	<i>R-Algebras of Linear Recurrent Sequences and Pell hyperbolas in DLP-based cryptosystem</i>
11:30–11:50		Coffee break
Third session		
11:50–12:50	Asia Mainenti	<i>Balanced Hermitian metrics</i>
	Elisa Paparelli	<i>Optimal control problem in Covid-19 crisis: economic collapse vs health system overcrowding</i>
	Elena Scalambro	<i>A woman in mathematics: Maria Gaetana Agnesi from the history to classrooms</i>
12:50–14:30		Lunch break
Afternoon session (in italian)		
14:30–15:30	Anna Maria Cherubini	
15:30–16:00		Coffee break
16:00–17:30	Anna Maria Cherubini Gabiella Caporaletti Giulia Ferrari Arianna Montorsi	Round table