



Xmaths Workshop

Università degli Studi di Bari Aldo Moro,
Dipartimento di Matematica

December 21-22, 2021

PROGRAM

Tuesday, December 21

8:45 *Registration*

9:05 *Opening:*

Prof. Anna Maria Candela (Vice Rector of the University of Bari)

Prof. Maria Francesca Costabile (Coordinator of the Ph.D. Program in Computer Science and Mathematics of the University of Bari)

9:30 Giuliano Angelone (Università degli Studi di Bari Aldo Moro):
Hearing the shape of a quantum boundary condition

10:00 Giovanni Scala (Uniwersytet Warszawski):
Entanglement witnesses: overview of the technique and a new construction

10:30 Leander Stecker* (Universität Hamburg):
Connections with Skew-Torsion and the Canonical Submersion

11:00 *Coffee break*

11:30 Luca Schaffler (KTH Royal Institute of Technology in Stockholm):
Point configurations, phylogenetic trees, and dissimilarity vectors

12:00 Shoam Karwa* (Imperial College London):
Non-Archimedean Mirror Symmetry

12:45 *Social lunch at "Le Officine Clandestine"*

15:00 Antonella Falini* (Università degli Studi di Bari Aldo Moro):
An Ensemble Learning for the Change Detection task

15:30 Dayana Savostianova (Gran Sasso Science Institute):
Universal adversarial attacks via matrix norms

16:00 *Coffee break*

16:30 Samantha Bove (Istituto Tumori Bari “Giovanni Paolo II” - IRCCS):
A machine-learning approach for the nodal status prediction in clinically negative breast cancer patients

17:00 Domenico Pomarico (Istituto Tumori Bari “Giovanni Paolo II” - IRCCS):
Analysing breast cancer Invasive Disease Event prediction through an explainable artificial intelligence approach

Wednesday, December 22

9:15 *Registration*

9:30 Lorenzo Liverani (Politecnico di Milano):
Stability of coupled dissipative-antidissipative systems

10:00 Francesco Esposito (Università della Calabria):
The Hopf boundary lemma for singular elliptic problems

10:30 Nicola de Nitti (FAU Erlangen-Nürnberg):
Nonlocal-to-local singular limits for conservation laws

11:00 *Coffee break*

11:30 Paola Zurlo (Università degli Studi di Bari Aldo Moro):
Classical and noncommutative de Finetti's theorems

12:00 Maria Elena Griseta (STIIMA-CNR, Bari):
Spreadability for Quantum Stochastic Processes, with an Application to Boolean Commutation Relations

12:30 *Closing:* Prof. Addolorata Salvatore (Head of the Mathematics Department)

* The speaker will give her/his talk online via Microsoft Teams.

Organizers:

Alessandro Camasta
Dario Di Pinto
Marco Gallo
Marilena Ligabò
Nicola Picoco
Laura Selicato
Caterina Sportelli
Cristiano Tamborrino