

MATCHES 2024

2nd Workshop on **MAT**hematical **CH**allenges to and from new technologies

5-6 September 2024 Rome – Italy

Sala del Chiostro, Engineering Faculty of University of Rome "La Sapienza" – via Eudossiana 18

Workshop Program:

5 September 2024 9:00 – 18:15

Keynote speaker: Prof. Y. Jessica Zhang, Carnegie Mellon University, USA
Mathematical and machine learning challenges in physical modelling 1

Invited enterprises: Mathworks, Qool srl

Invited speakers: Salvatore Cuomo, Sandra Pieraccini, Gianluigi Rozza

Mathematical and machine learning challenges in physical modelling 2

Invited enterprises: Engineering spa, Esteco spa

Invited speakers: Emilio F. Campana, Carlo M. Casciola, Andrea Manzoni

Round Table: "Applied Mathematics as a cornerstone for industry and academia: Possible goal or chimera?"

Panelists: Emilio F. Campana, Carlo M. Casciola, Costanza Conti, Maurizio Ceseri, Augusto Giardini, Gianluigi Rozza, Carlomagno Simotti, Scientific Committee

6 September 2024 9:00 – 17:00

Mathematical and machine learning challenges in imaging

Invited enterprises: D-Tails srl, Planetek srl, Sensichips srl

Invited speakers: Antonella Falini Sabrina Guastavino, Emma Perracchione

Keynote speaker: Prof. Sebastiano Battiato, University of Catania, Italy

Poster Session young researchers, phd students, postdoc fellows are welcome

Mathematical and machine learning challenges in high dimensional data

Invited enterprises: Bees srl, Ro Technology srl, Humanativa srl

Invited speakers: Antonio Cicone, Nicoletta Del Buono, Fabrizio Silvestri

MATCHES aims at fostering, promoting and strengthening collaborations and interactions between researchers working in the field of applied mathematics and computer science, and small and medium-sized enterprises.

The workshop intends to be a laboratory in which researchers present advanced mathematical tools suitable for producing a strong industrial impact, and companies present the technological challenges to be faced in order to compete globally.

Workshop attendance is free of charge. However, participants are kindly invited to register by sending an email to matches@sbai.uniroma1.it

Scientific Committee:

Stefano De Marchi (University of Padova)

Elisa Francomano (University of Palermo)

Carla Manni (University of Rome Tor Vergata)

Serena Morigi (University of Bologna)

Benedetta Morini (University of Firenze)

Michele Piana (University of Genova)

Francesca Pitolli (Sapienza University of Rome)

Organizing Committee:

Vittoria Bruni*

Giuseppina Monteverde*

Chiara Sorgentone*

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Department of Basic and Applied
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<https://www.sbai.uniroma1.it/workshop/matches2024/>