

# ECMI Modelling Week 2024

Catania, Italy, 23-29 June 2024



## Main aims:

train students in Mathematical Modelling and stimulate their collaboration and communication skills, in an international environment.

## Problems and Instructors

**Vito Dario Camiola & Giovanni Nastasi**

*University of Catania, Italy*

**Modeling and optimizing a semiconductor device**

**Jean-Guy Caputo**

*INSA de Ruen, France*

**Modeling and Optimizing fluid networks**

**Ana Carpio**

*Universidad Complutense, Madrid, Spain*

*Instituto Gregorio Millán, Madrid, Spain*

**Modeling and simulation of tissue dynamics**

**Dario Catalano**

*University of Catania, Italy*

**Experimenting with (basic) symmetric encryption**

**Armando Coco**

*University of Catania, Italy*

**Numerical models for geothermal energy exploitation in volcanic regions**

**Matthias Ehrhardt**

*University of Wuppertal, Germany*

**Mathematica Modelling of Immigration**

**Thomas Götz**

*University of Koblenz, Germany*

**Identifying and Optimizing Parameter Domains**

**Michael Günther**

*University of Wuppertal, Germany*

**Delving of Port-Hamiltonian Systems**

**Piotr Krzyżanowski**

*University of Warsaw, Poland*

**Glazier**

**Mattia Zanella**

*University of Pavia, Italy*

**Many-agent systems in swarm additive manufacturing**

## Web site

<https://mathphys.dmi.unict.it/ecmimw2024>

## Organizing Committee

- Vittorio Romano ([vittorio.romano@unict.it](mailto:vittorio.romano@unict.it))
- Vito Dario Camiola ([dario.camiola@unict.it](mailto:dario.camiola@unict.it))
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