

INTERNATIONAL CONFERENCE · 9–11 SEPTEMBER 2026

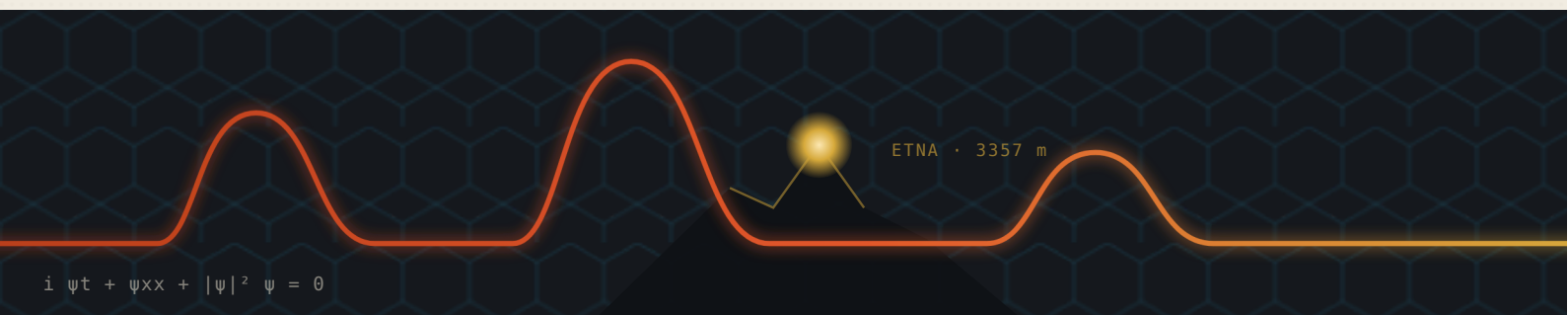
Mathematics, Physics and Technology

Charge Transport, Nonlinear Waves and Mathematical Modeling

Special session dedicated to the scientific activity of **Prof. Vittorio Romano**

9 – 11 SEPTEMBER 2026

AULA MAGNA · DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE · CATANIA, ITALY



The conference brings together researchers working at the intersection of mathematical physics, applied mathematics, and the modeling of physical and technological systems — a field, semiconductor and low-dimensional material modeling, that is advancing rapidly across mathematics, physics and engineering. Contributions from both early-career researchers and established scientists are warmly encouraged.

KEY TOPICS

- ⬡ Charge and phonon transport in semiconductors
- ⬡ Graphene and low-dimensional materials
- ⬡ Nonlinear waves, shock waves and radiation hydrodynamics
- ⬡ Numerical methods and optimal control
- ⬡ Extended thermodynamics and group analysis

SCIENTIFIC COMMITTEE

Fabio Bagarello (Palermo) · **Luigi Barletti** (Florence) · **Orazio Muscato** (Catania) · **Francesco Oliveri** (Messina) · **Andrea Sacchetti** (Modena and Reggio Emilia)

VENUE

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