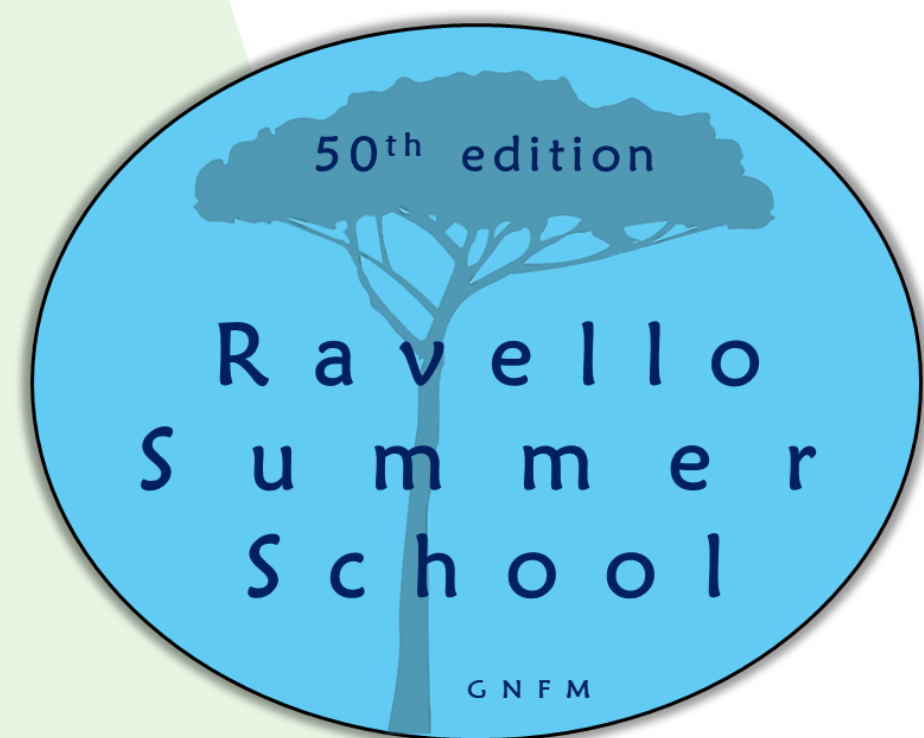


SUMMER SCHOOL ON MATHEMATICAL PHYSICS



RAVELLO

01-13 SEP 2025

THE SCHOOL DIRECTOR

**PROF.
T. RUGGERI**



iNSAM

Istituto Nazionale di Alta Matematica "Francesco Severi"



**Fondazione
Ravello**

Villa Rufolo | **Festival**

ISTITUTO NAZIONALE DI ALTA MATEMATICA (INDAM)

Gruppo Nazionale per la Fisica
Matematica (GNFM)

Summer School on
Mathematical Physics

 **Ravello**
01-13 September
2025

COURSES:

Giuseppe Zurlo

University of Galway

**Mechanics of growth: from physics
to geometry**

First week (6 lectures)

Luigi Vergori

Università di Perugia

Mechanics of nematic shells
Second week (6 lectures)

Lamberto Rondoni

Politecnico di Torino

**Nonequilibrium phenomena:
response to perturbations and
metastable behaviour - Part I**

First week (6 lectures)

Emilio N.M. Cirillo

Università Sapienza Roma

**Nonequilibrium phenomena:
response to perturbations and
metastable behaviour - Part II**

Second week (6 lectures)

Elisabetta Rocca

Università di Pavia

**Phase-field models for tumor
growth: Optimal Control and Early
states reconstruction**

First week (6 lectures)

Helen Byrne

University of Oxford

**Approaches to modelling
heterogeneity in solid tumour growth**

Second week (6 lectures)

Sergey Gavriluk

Aix Marseille Université

**Hyperbolic models for dispersive
phenomena**

First week (6 lectures)

Sylvie Benzoni

Université de Lyon

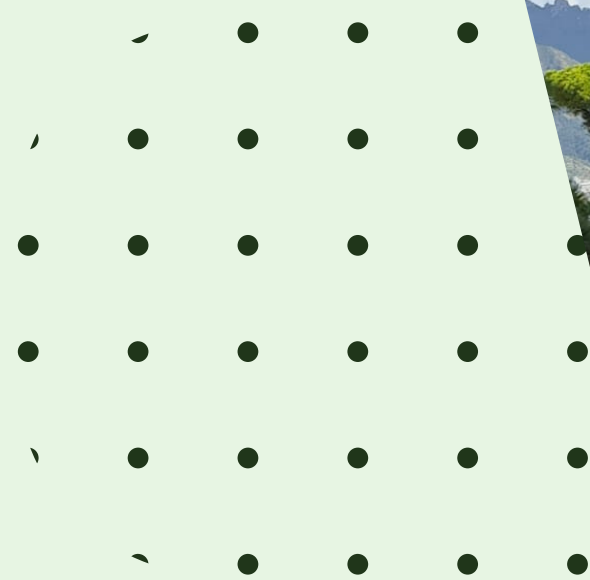
**Interplay between hyperbolic and
dispersive equations**

Second week (6 lectures)

The school's aim is to give introductory lectures by international experts in Mathematical Physics and Applied Mathematics. The school is mainly addressed to young researchers. Four courses will be given in a series of 12 lectures scheduled in the morning of each day,

The School Director
Prof. T. Ruggeri

SUMMER SCHOOL ON MATHEMATICAL PHYSICS



50th

**CONGRATULATIONS TO THE GNFM SCHOOL ON ITS
50TH ANNIVERSARY — MAY IT CONTINUE TO REACH
EVER GREATER MILESTONES AND ACHIEVEMENTS!**

THE SCHOOL DIRECTOR

PROF. TOMMASO RUGGERI



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