



International Workshop on
**Mathematical Modeling for
Science and Engineering**

*P.le Vincenzo Tecchio, 80 Naples - Italy
Scipione Bobbio Room, September 11-13th, 2019*

The aim of the Workshop (<http://mmse.dieti.unina.it/index.php/it/>) is to present recent results in different areas of Engineering and Sciences where the common background is mathematical modeling and to provide a forum for fruitful interactions in closely related fields of research and its applications.

Some topics are:

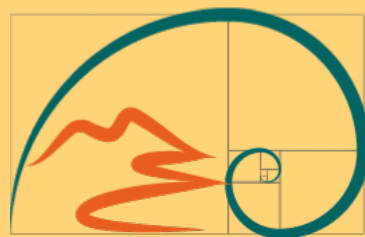
- variational analysis of atomistic and continuous physical systems;
- models in material sciences and magnetic materials;
- shape optimization problems;
- models for structural bridges;
- dynamic of sand potts;
- models for neuroscience;
- averaging theory in Engineering and Science.
- applied partial differential equations.
- modeling and optimization problems for power converters.

Speakers

- D. Ambrosi (PoliTo)
- J.C. Belfiore (Mathematics and Algorithmics Lab. Paris Research Center - Huawei Technologies)
- G. Buttazzo (UniPI)
- G. Caire (Technische Universität Berlin)
- C. Cecati (UniAQ)
- M. Cicalese (Tum Munich)
- E. Crooks (Swansea University)
- M. Sanches Fernández (Universidad Carlos III de Madrid)
- L. Diening (Bielefeld)
- M. Garrione (PoliMi)
- A. Guillén i Fàbregas (Cambridge University and ICREA, Pompeu Fabra Univ.)
- M. Migliore (CNR Palermo)
- J. Miguez (Department of Signal Theory & Communications. Universidad Carlos III de Madrid)
- R. Muller (FAU Erlangen-Nürnberg)
- C. Nitsch (UniNA)
- D. Riccio (UniNA)
- S. Terracini (UniTO)
- S. Verdù
- A. Zarnescu (BCAM)

Scientific and Organizing Committee

- L. P. Di Noia
F. Greco
A. Marasco
D. Mattera
S. Meo
A. Mercaldo
B. Stroffolini
L. Toscano
A. M. Tulino



Colloquium
in

Mathematical Engineering

Poster Session

The Poster Session provides a unique opportunity for young researchers to present their research work and to receive constructive feedback from their peers as well as experts in the field (including academics and practitioners) at the Workshop. The poster session will also be an excellent occasion for stimulating fruitful interactions and developing person-to-person networks to the benefit of the researchers in their future careers. The goal of this session is to create opportunities for young researchers to meet with peers outside of their home institution, to get technical feedback as well as career advice from established researchers in their field, to find out about internship and job opportunities, and to articulate their own work in a public, friendly forum.