

SCHEDULE

Mon Feb 7	09:00 - 09:30 Opening address	09:30 - 10:45 Open problems in mechanics of heterogeneous materials Marco Paggi	Coffee break	11:15 - 13:00 Circular holes Alberto Sapora	Lunch	14:00 - 15:45 V-notches Alberto Sapora	Coffee break	16:15 - 18:00 Fatigue failure: cracks and notch sensitivity Alberto Sapora
Tue Feb 8	9:00 - 10:45 Overview on funding opportunities Marco Paggi	Coffee break	11:15 - 13:00 Start-ups and spin-offs, business plans Francesco Biancalani	Lunch	14:00 - 15:45 Overview on funding opportunities Marco Paggi	Coffee break	16:15 - 18:00 How to write a research proposal Marco Paggi	
Wed Feb 9	09:00 - 10:00 Incubators and accelerators Francesco Biancalani	10:30-12:30 Visit to the technological pole of Lucca Nico Cerri and Marco Paggi	Lunch	14:00 - 15:45 Fracture mechanics of joints Maria Rosaria Marulli	Coffee break	16:15 - 18:00 Advanced numerical modeling of failure processes Zohar Yosibash		
Thr Feb 10	09:00 - 10:45 Advanced numerical modeling of failure processes Zohar Yosibash	Coffee break	11:15 - 13:00 Multiscale modelling Dominique Leguillon	Lunch	14:00 - 15:45 Multiscale modelling Dominique Leguillon	Coffee break	16:15 - 18:00 Effective communications & presentations Zohar Yosibash	
Fri Feb 11	09:00 - 10:45 Effective communications & presentations Zohar Yosibash	Coffee break	11:15 - 13:00 Homogenization methods Sofia Mogilevskaia	Lunch	14:00 - 15:45 Modelling and simulation of heterogeneous materials Sofia Mogilevskaia	Coffee break	16:15 - 17:00 Effective commun. & presentations Zohar Yosibash	17:00 - 17:30 Closing address

REGISTRATION & PARTICIPATION

PRO Winter School is focused on doctoral students in Fracture Mechanics. It is open to highly motivated students outside the NewFrac project as well. The event will be held in **hybrid mode**, although in person participation is highly encouraged.

Application for participation is required by filling the following application form:

<https://forms.gle/g4rbkZj96MkVnUXX7>

Application deadline 10/12/2021 at 18:00h (CET).

Estimated registration fees: 300 Euro, including coffee breaks, lunches and the social dinner. Discounted participation fees will apply in case of on-line participation.

A message of confirmation along with detailed instructions will be sent to participant's e-mails provided.

CONTENT

Expert knowledge

Advanced modelling techniques for heterogeneous materials and their failure behavior.

Academic training

- Data Management
- Presentation skills
- Start-ups & spin-offs
- Open innovation

Professional skills

- Gender issues in research & innovation
- Self-management
- Intellectual property rights & business plans

PRO Winter School

February 7th to 11th, 2022
Lucca, Italy



Chairman:
Prof. Marco Paggi
IMT School Lucca, Italy

Secretary:
Ing. Ninfa Vital
Universidad de Sevilla, Spain
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For further information visit:
<https://www.newfrac.eu/>

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