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.

Application for participation is required by filling the following application form HERE. Application deadline 23/12/2021.

Registration fees: 300 €. Including coffee breaks, lunches and the social dinner. Discounted participation fees will apply in case of on-line participation due to COVID situation.

A message of confirmation along with detailed instructions will be sent to participant’s e-mails provided by January 14th.

To obtain a certificate of having passed the CORE school requires:
- Assistance to at least 85% of the lectures
- Achieve at least 50% in the multiple-choice final test

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
# NewFrac Training Network

## PRO Winter School

### SCHEDULE

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