The School is organized by the Department of Industrial Engineering, the BIOtech Research Center of the University of Trento and the European Institute of Excellence on Tissue Engineering and Regenerative Medicine.

The aims are to illustrate and discuss principles, design, methods, fabrication and most recent applications in Regenerative Medicine and in particular in Tissue Engineering.

The school is addressed to PhD students and Post-Docs with a background in Engineering, Physics, Chemistry, Biology or Medicine.

The maximum number of participants is provisionally set to 45.

Topics:
- Concepts in biocompatibility
- Tissue repair and regeneration pathways
- Molecular signals, growth factors, molecular recognition
- In vitro and in vivo imaging
- Materials for scaffolds
- Scaffolds design and fabrication
- 3D printing, cell printing, additive manufacturing methods
- Applications, trends and perspectives

Lecturers (provisional list):
- Antonella Motta, University of Trento, Italy
- Martijn van Griensven, Techn. University of Munich, Germany
- Daniel Cohn, Hebrew University of Jerusalem, Israel
- Heinz Redl, Ludwig Boltzmann Institute, Vienna, Austria
- Julio San Roman, CSIC, Madrid, Spain
- Rui L. Reis, University of Minho, Braga, Portugal
- Nuno M. Neves, University of Minho, Braga, Portugal
- Devid Maniglio, University of Trento, Italy
- Ralph Muller, ETH Zurich, Switzerland
- Claudio Migliaresi, University of Trento, Italy
- Dietmar Hutmacher, QUT Brisbane, Australia
- Antony Weiss, University of Sydney, Australia
- Paolo Netti, University of Naples, Italy
- Vamshi Yadavalli, Virginia Commonwealth Univ., Richmond, USA
- Thomas Groth, Martin Luther University Halle-Wittenberg, Germany
- Gilsong Khang, Chonbuk University, South Korea
- Sorada Kanokpanont, Chulalongkorn Univ., Bangkok, Thailand
- Wojciech Chrzanowski, University of Sydney, Australia
- Natalia M. Alves, University of Minho, Braga, Portugal
- Elizabeth Rosado Balmayor, Technical University of Munich, Germany
- Ranieri Cancedda, Biorigen Sri & Universita’ degli Studi di Genova, Italy

COMPREHENSIVE SUMMER SCHOOL ON TISSUE ENGINEERING:
FROM BIOLOGY TO MATERIALS AND PRODUCTS VALIDATION
TRENTO, Italy, June 18-23rd, 2018

REMIX (Regenerative Medicine Innovation Crossing) and BEAM (Biomedical Engineering at Master Level)
EU-funded Projects
VENUE:
The school will be held in the center of Trento, at:

Department of Economics and Management - University of Trento  
Via Virgilio Inama, 5  
Conference Room

Trento is a small city, with a population of 120,000 inhabitants, in the North of Italy. Lying on the main corridor connecting Italy to Austria and Germany, the city has an ancient origin that is visible in the archeological sites dating back to Roman times. During the Middle Age the city fell into the cultural sphere of influence of the Sacred Roman Empire and became an important religious center; in fact, it was chosen in 1545 to host the Council of Trento, the Catholic’s Church reaction to the schism that followed the rise of Protestant reformation. This period was the heyday of the city that is testified to this date by the numerous churches, palaces and buildings. Despite conquest attempts by Napoleon, Trento remained part of the Habsburg Empire until 1918, the year when it finally joined Italy.

Rich in culture, the main sites of the city are the imposing Buonconsiglio Castle, the Duomo and its square, right in the center of the city, Palazzo Geremia, the churches of Sant’Apollinare and Santa Maria Maggiore, the Roman sites and the old city walls. MuSe – a modern science museum with a focus on alpine life and evolution – lying near the banks of the Adige river has also become a main tourist attraction in the recent years.

Trento is also famous for its university, which constantly ranks among the top ones in Italy thanks to the quality of its teaching, research, services and its international outlook. Nearly 16,000 students -many are foreigners- attend its faculties and contribute to the social and nightlife of the city.

Finally, just a few kilometers outside the city, one can reach several mountain lakes and one of the main UNESCO heritage sites of the area: the Dolomite mountains.

For more information about sights and activities please visit:  
https://www.visittrentino.info/en/trentino/resorts-towns/trento_md_192

ARRIVING IN TRENTO:
Verona is the closest airport to Trento, about 90 km south and well connected with frequent trains. From the airport, buses depart to Verona train station every 20 minutes. Flixbus are available as well but less frequently (www.flixbus.com). Venice is about 180 km east and can be reached in 2,5 hours by train or Flixbus.

ACCOMMODATION:
There are many hotels in the center of Trento that can be reserved through websites like Agoda or Booking.com or contacting them directly through their websites. On the rise is the offer of short-term rent apartments through AirBnB. It is advisable to select a hotel in the city center; however, all of the city’s suburbs are well served by the urban bus line that makes moving around fast and inexpensive. Considering the high influx of tourists during the summertime, it is advisable to book the hotel as early as possible.

REGISTRATION:
Participants must register following the information reported on the school website before April 30th.

Registration fee for participants is set at € 300,00 and comprises participation to the school, coffee breaks, welcome buffet and lunches.

Participants wishing to present a 5-10 minutes lecture are invited to send an email to the school address with a half-a-page abstract.

Further information at:  
https://www.unitn.it/event/termschool2018
Or email:  
termschool2018@unitn.it