

International Course on Macromolecular Science for Advanced and Sustainable Materials  
July 10-14 2022, Erice



**ETTORE MAJORANA FOUNDATION AND  
CENTRE FOR SCIENTIFIC CULTURE**

*TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE  
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES*



# **International Course on Macromolecular Science for Advanced and Sustainable Materials**

**2022 July 10th-14th**

**Ettore Majorana Foundation and Centre for Scientific Culture**

**Erice, Italy**

## PROGRAM

**Sunday, July 10th:**

Arrival by shuttle service in Erice, Registration and Accommodation

21:00

**Welcome Cocktail**

MARSALA ROOM

San Rocco

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**Monday, July 11th, 2022**

09:15 - 09:30

**Welcoming Address**

**Prof. Brent Sumerlin**

University of Florida, Gainesville, FL, US

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09:30 – 10:15

***“Automation in Polymer Synthesis: Challenges and Opportunities”***

**Prof. Tanja Junkers**

Monash University (AUS)

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10:15 – 10:45

**Coffee Break**

10:45 - 11:30

***“Functional polymers for organic/printed optoelectronics”***

**Prof. Brigitte Voit**

Leibniz-Institut für Polymerforschung of Dresden

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11:30 - 12:15

***“Making and Unmaking Polymers by Controlled Radical Polymerization”***

**Prof. Athina Anastasaki**

ETH Zurich (CH)

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12:15 - 14:30

Lunch

14:30 - 15:15

*“Closed-loop sustainability in polymers: leveraging biomass and plastics waste feedstocks”*

**Prof. Thomas H. Epps**  
University of Delaware (USA)

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15:30 - 18:30

*“Poster session”*

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19:00

Free Dinner

Tuesday, July 12th, 2022

09:00 - 09:45

*“Topology and Dispersity: Additional Parameters Regulating the Properties of Bioinert and Functional Polymer Interfaces”*

**Prof. Edmondo M. Benetti**  
University of Padova (IT)

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09:45 - 10:30

*“Brushes by grafting to: the true and the false”*

**Prof. Michele Laus**  
University of East Piemonte (IT)

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10:30 - 11:15

*“Chemistry and Engineering of Conjugated Ladder Polymers for Advanced Material Applications”*

**Prof. Lei Fang**  
Texas A&M University

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11:15 - 23:00

**Excursion to Marsala and Selinunte: guided tour**

20:00 – 23:00

**Gala dinner**

23:00

**Go back to Erice**

**Wednesday, July 13th, 2022**

09:00 - 09:45

*"Exploring the use of biomass and plastic waste as sustainable source for polymer production"*

**Prof. Haritz Sardon**

University of Basque Country (ES)

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09:45 - 10:30

*"Macromolecular Photocatalysts in Reversible-Deactivation Radical Polymerization"*

**Prof. Brent Sumerlin**

University of Florida, Gainesville, FL, US.

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10:30 – 11:00

**Coffee Break**

11:00 - 11:45

*"Toward precision hybrid protein-polymer conjugates: Synthesis and applications"*

**Prof. Kelly Velonia**

Science and Technology University of Crete (GR)

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11:45 - 15:00

**Lunch**

15:00 - 17:15

**Flash Orals**

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Selected posters will be presented as flash (10 mins each) oral communications to  
give students the opportunity to present their work

17:15 - 18:00

*“Getting into shape - precision self-assembly”*

**Prof. Rachel O'Reilly**  
University of Birmingham (UK)

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18:00 - 18:45

*“Revaluing food protein waste”*

**Prof. Raffaele Mezzenga**  
ETH Zurich (CH)

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18:45 - 19:00

**Award for the best short oral!**

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19:00 - 19:15

*“Closing Speech”*

**Prof. Athina Anastasaki**  
ETH Zurich (CH)

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From 19:30

**Free Dinner**

**Thursday, July 14th, 2022**

**Shuttle bus to airports to Trapani and Palermo**

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**Directors of the course**

Brent Sumerlin	Univ. of Florida (USA)
Athina Anastasaki	ETH Zurich (CH)
Sabrina Carroccio	IPCB CNR (IT)

**Secretariat**

Donata Agata Romeo	IPCB CNR (IT)
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