



Venice
International
University

Venice International University International PhD Academy

Energy and society. The case of fusion.

Venice International University
June 10-15, 2024

Faculty

1. Piero Martin, University of Padova
2. Paolo Giardullo, University of Padova
3. Lidia Piron, University of Padova
4. Giuseppe Zollino, University of Padova
5. Dimitri Batani, University of Bordeaux
6. Tomaž Gyergyek, University of Ljubljana
7. Alice Bellagamba, University of Milano-Bicocca
8. Giuseppe Gorini, University of Milano-Bicocca
9. Lucia Visconti Parisio, University of Milano-Bicocca
10. Shaul Bassi, Ca' Foscari University of Venice
11. Davide Zanchettin, Ca' Foscari University of Venice
12. Alessandra Fornetti, Venice International University (VIU)
13. Ilda Mannino, Venice International University (VIU)

Guest speakers

1. Marinella Davide, EU Joint Research Center, Ispra
2. Cheickh M.F. Kebe, Ecole Polytechnique Supérieure, Dakar, Senegal (tbc)
3. Marco Motta, RAI Radiotelevisione Italiana
4. Emilka Skrzypek, Centre for Energy Ethics, University of St. Andrews, UK

Day 1 | Monday, June 10, 2024

9:00 – 9:30 *Registration and Welcome Remarks (VIU & PhD Academy Coordinators)*

9:30 – 10:40 Energy and Society (Piero Martin, University of Padova)

10:40 – 11:00 *Coffee Break*

11:00 – 12:10 Energy and our planet (Davide Zanchettin, Ca' Foscari University of Venice)

12:10 – 13:00 Myself in 3 minutes (students)

13:00 – 14:00 *Lunch*

14:00-14:40 Myself in 3 minutes (students)

14.40-15.50 Controlled thermonuclear fusion: dream or Holy Grail? (Giuseppe Gorini, University of Milano-Bicocca)

15.50 – 16.10 *Break*

16.10 – 17.20 Inertial fusion research: science and strategic implications (Dimitri Batani, University of Bordeaux)



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Day 2 | Tuesday June 11, 2024

9.00 – 10.10 Energy and Society relationship in contemporary societies (Paolo Giardullo, University of Padova)

10.10-10:30 *Coffee Break*

10.30 – 11.40 A brief history of energy (Tomaž Gyergyek, University of Ljubljana)

11.40 – 12.50 Economics of electricity markets (Lucia Visconti Parisio, University of Milano-Bicocca)

12.50 – 13.50 *Lunch*

13.50 – 15.00 Private approach to fusion: the science basis (Lidia Piron, University of Padova)

15.00-15.20 *Break*

15.20 – 16.05 Financial challenges for new energy technologies (Lucia Visconti Parisio, University of Milano-Bicocca)

16.05 – 18.05 Transversal skills - Environments and arts: an interactive experience (Davide Zanchettin, Ca' Foscari University of Venice)

Day 3 | Wednesday June 12, 2024

9.00 – 10.10 Transversal skills - Energy ethics, an emerging topic: input 1 for student synthesis on energy ethics (Emilka Skrzypek, Centre for Energy Ethics, University of St. Andrews, UK)

10.10 – 10.30 *Coffee Break*

10.30 – 11.40 Transversal skills - Energy poverty and sustainable development: input 2 for student synthesis on energy ethics (Marinella Davide, EU Joint Research Center, Ispra)

11.40 – 12.50 Poster presentations – 1 (students)

12.50 – 13.50 *Lunch*

13.50 – 14.40 Transversal skills - Energy and Africa: the African view: input 3 for student synthesis on energy ethics (Cheickh M.F. Kebe, Ecole Polytechnique Supérieure, Dakar, Senegal) (tbc)

14.40 – 15.30 Transversal skills - Energy and Africa: the anthropological point of view (Alice Bellagamba, University of Milano-Bicocca)

15.30 – 15.50 *Break*

15.50 – 17.50 Transversal skills - Energy ethics, poverty and society: the student synthesis based on input 1-4 (debate and production and communication of the conclusions) (Lucia Visconti Parisio, University of Milano-Bicocca and Marinella Davide, EU Joint Research Center, Ispra)

19:00 *Social dinner in Venice*



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Day 4 | Thursday June 13, 2024

9.00 – 10.10 Fusion and future energy scenarios (Giuseppe Zollino, University of Padova)

10.10 – 11.20 Transversal skills - Media representations of energy: discussion with students (Paolo Giardullo, University of Padova)

11.20 – 11.40 *Coffee Break*

11.40 – 13.00 Transversal skills - Science Communication: the case of energy (Alessandra Fornetti and Ilda Mannino, Venice International University)

13.00 – 14.15 *Lunch*

14.15 – 15.30 Poster presentations – 2 (students)

15.30 – 15.50 *Break*

15.50 – 16.30 Transversal skills - Nuclear energy: to forget or to exploit? A debate between students and faculty (Giuseppe Zollino, University of Padova)

Day 5 | Friday June 14, 2024

09.00 – 10.30 Energy humanities (Shaul Bassi, Ca' Foscari University of Venice)

10.30 – 10.50 *Coffee Break*

10.50 – 12.00 70 years in fusion research (Giuseppe Gorini, University of Milano-Bicocca)

12.00 – 12.45 Venice and Science: an expected experience (introduction to the tour) (Piero Martin, University of Padova)

12.45 – 13.45 *Lunch*

13.45 – 14.55 Transversal skills - Energy, politics and media: an experience with the public (Marco Motta, RAI Radiotelevisione Italiana)

14.55 – 15.25 Final discussion and wrap-up (Lidia Piron, University of Padova)

15.25 – 15.45 *Break*

15.45 – 19.00 Venice and Science: the tour (Piero Martin, University of Padova)

Day 6 | Saturday June 15, 2024

09.30 – 12.30 Roundtable: Fusion & Energy debate