

European cooperation in nuclear fusion research: from history to future policy design

University of Padua, 18-20 June 2025

18 June 2025, 14:00

Archivio Antico, Palazzo del Bo

Via VIII Febbraio 2, Padova

14:00 Welcome

14:30-16:30 Session 1

Chair: **Giulia Bentivoglio**

14:30 **Roberto Lalli**, Politecnico di Torino
Fusing Europe from EURATOM to ITER: A network analysis of European technological cooperation in controlled thermonuclear research, 1957-2007

15:15 **Barbara Hof**, University of Lausanne
Fusion Imperfect: Science, European Integration, and the Involvement of Two Chronic Outsiders (UK/CH), 1958-1983

16:00 **John Krige**, Georgia Institute of Technology
Comments

16:20 Discussion

16:30-17:00 Coffee break

17:00-18:30 Session 2

Chair: **Roberto Lalli**

17:00 **Johannes Geert Hagmann**, Deutsches Museum
Collaboration and opposition: The European dimension of UK policy towards inertial confinement fusion 1975-1983

17:45 **John Krige**
Comments

18:00 General discussion

18:30-19:30 Special event

Chair: **Roberto Lalli**

Paolo Di Barba, University of Pavia

The Eta-Beta II experiment at the Padova University: a brief history of a toroidal device for fusion research

Matteo Iafrati, ENEA
Comments



Scan the QR code and visit the website of Project FusEUrope: fuseurope.polito.it

Workshop held within the Project P20223BAFW FusEUrope - European cooperation in nuclear fusion research: from history to future policy design - CUP: C53D23009340001

19 June 2025, 9:00

Sala Seminari 2, Dipartimento SPGI

Via del Santo 28, Padova

9:00-11:00 Session 3

Chair: **Roberto Lalli**

9:00 **Mauro Elli**, University of Milan
Evolution of the European Tritium Handling Laboratory (ETHEL): Ambitions, Challenges, and Demise

9:45 **Michiel Bron**, Maastricht University
Impeding Promises: the promise of nuclear fusion and the halting of nuclear fission

10:30 **Barbara Curli**, University of Turin
Comments

10:50 Discussion

11:00-11:30 Coffee break

11:30-13:00 Session 4

Chair: **Adele La Rana**

11:30 **Luca Guzzardi**, University of Milan
Joint Commitment as a Tool for Describing the Emergence of Research Groups in Nuclear Fusion Research

12:15 General discussion

14:00-16:00 Session 5

Chair: **Adele La Rana**

14:00 **Giorgio Matteoli**, Politecnico di Torino
Science Managers as Scientific Personae: A Case Study from the History of Controlled Thermonuclear Fusion Research

14:45 **Stefano Salvia**, Politecnico di Torino
Setting the Stage for a European Cooperation Network in Fusion Research: The First Decade of IAEA and EPS Conferences, between ‘Atoms for Peace’ and Cold-War Science Diplomacy (1958-1969)

15:30 **Elisabetta Bini**, University of Naples
Comments

15:50 Discussion

16:00-16:30 Coffee break

16:30-18:00 Session 6

Chair: **Giorgio Matteoli**

16:30 **Gabriella Rago**, University of Turin
Siting ITER: Thermonuclear Diplomacy and Geography since the End of the Cold War

17:15 **Elisabetta Bini**
Comments

17:30 General discussion

20 June 2025, 9:00

Sala Seminari 2, Dipartimento SPGI

Via del Santo 28, Padova

9:00-11:00 Session 7

Chair: **Luca Guzzardi**

9:00 **Luisa Bonolis**, Max Planck Institute for the History of Science, Berlin
The Italian way to nuclear fusion: the roots, the key actors and first achievements

9:45 **Adele La Rana**, University of Macerata
Divergences and Convergences in European Fusion Energy Research: a Historical Perspective on Scientific and Political Decisions on the way to ITER

10:30 **Giovanni Paoloni**, Sapienza University of Rome
Comments

10:50 Discussion

11:00-11:30 Coffee break

11:30-13:00 Session 8

Chair: **Roberto Lalli**

11:30 **Francesco Nicoli**, Politecnico di Torino
Public Support for Nuclear Energy in the Fight Against Climate Change: A Twin Conjoint Experiment on Innovative Nuclear Fusion and Next-Generation Fission Technologies

12:15 Discussion and closing

Teatro Ruzante

Riviera Tito Livio 45, Padova

17:30-19:00 Tavola Rotonda

La fusione, tra passato, presente e futuro

Chair: **Roberto Lalli**

Intervengono: **Chiara Bustreo**, Istituto per la Scienza e Tecnologia dei Plasmi, CNR, **Barbara Curli**, Università di Torino, **Francesco Gnesotto**, Consorzio RFX, **Piergiorgio Sonato**, Consorzio RFX e Università di Padova



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