

Welcome!

Chair of the day:
David Smeulders

Scientific Director 4TU.Energy
Full Professor
Energy Technology @TU/e

4TU.Energy
Community Day 2025

Theme:
Energy & Materials Transition – one and the same problem?

Date:
3 April 2025

Location:
Eenhoorn Meeting Center Amersfoort





Program

Time	Session	Room
10:00	Name badges Poster (A0, template in Downloads) hang up on the wall (tape provided) Coffee&Tea	1st floor 1.5
10:45	Welcome speech incl. new funding opportunities Prof.dr. David Smeulders · TU/e Scientific Director 4TU.Energy & Full Prof. Energy Technology	1st floor 1.2-1.4
11:00	Presentation Prof.dr. Moniek Tromp · RUG Director Zernike Institute for Advanced Materials & Full Prof. Materials Chemistry	1st floor 1.2-1.4
11:30	Presentation Dr. Carlos Felipe Blanco · TNO Senior Scientist - Circularity & Sustainability Impact & Assis. Prof. Industrial Ecology Leiden University	1st floor 1.2-1.4
12:00	Group photo Lunch Poster visit	between parking & ground floor 1st floor lounge 1st floor 1.5
13:00	Pitch presentation of projects funded by 4TU.Energy Shuyi Peng · WUR Community Building Horticulture in Energy Transition Dr. Keerthivasan Rajamani · UTwente Rapid Research Magnetic-Ionocaloric Heat Pump System Dr. Tingting Zhu · Utwente Community Building Energy Information Interaction Club Dr. Thomas Weinhart · Utwente Rapid Research Thermo-Chemically Active Granular Materials	1st floor 1.2-1.4
14:00	Presentation Dr. Benjamin Sprecher · TUDelft Assist. Prof. Sustainable Design, Environmental Impacts & Circular Economy	1st floor 1.2-1.4
14:30	Pitch YOUR research (Template in Downloads; 2min/pitch) vote for a best pitch by the end of this session	1st floor 1.2-1.4
15:30	Poster Market (Q&A) Break vote for a best poster by the end of this session	1st floor 1.5
16:00	Matching sessions 1-Technical challenges and solutions for Energy Materials Chair: Dr. Akbar Asadi Tashvigh · WUR 2&3-Manufacturing challenges – circularity, design-to-recycle, LCA Chair: Prof.dr. Harry Bitter · WUR 2&3-Geopolitical dependencies & transition scenarios Chair: Dr. Mark Boneschanscher · EIRES	1st floor 1.2-1.4 ground floor P.1-P.4
17:00	Announcement of Pitch and Poster winner Networking drinks	1st floor lounge
18:00	Return keycard and scan Evaluation QR code on your name badge	1st floor 1.5

Diverse sessions

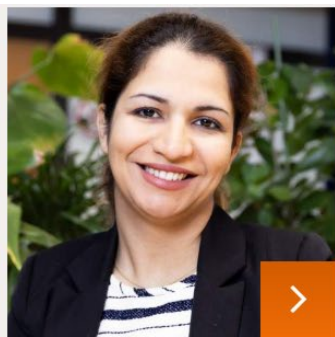
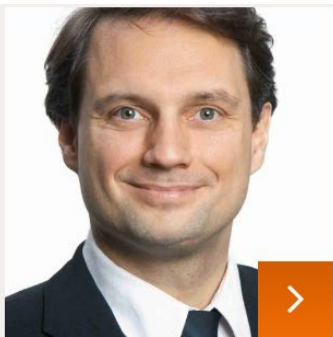
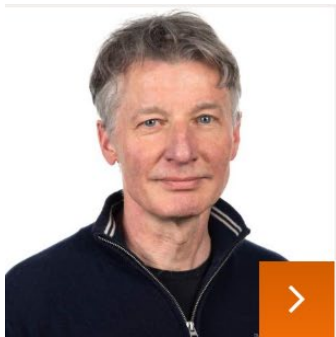


- **Group photo** 12:00
- **Pitch** YOUR research:
 - 14:30
 - Name order
 - 2min/pitch
 - Vote a winner by 15:30
- **Poster** presentation:
 - Visit during lunch break
 - Q&A 15:30-16:00
 - Vote a winner by 16:00

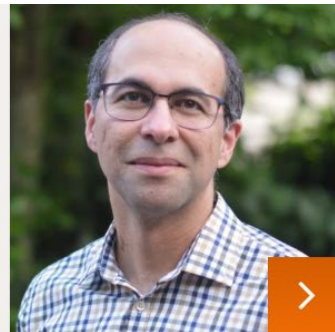
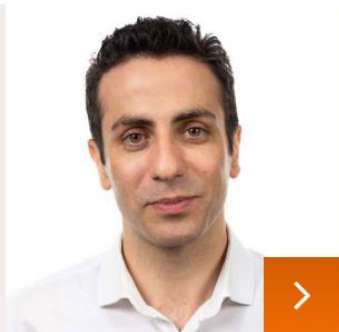
QR codes on your name badge!

Our People

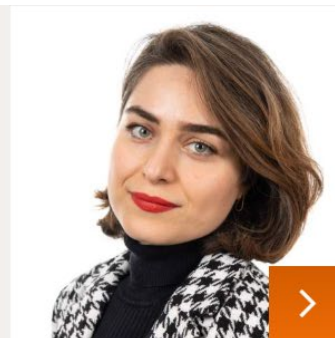
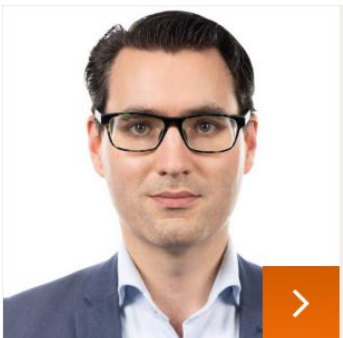
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YB



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Our mission



4TU.Energy strives to accelerate the society's transition to a carbon-neutral future by connecting and leveraging its energy **community**; and by providing centralized support to its energy **research** and **education**.

Our partnership



***Together
To Accelerate
The Energy Transition***

Our specific 4C goals

Connect

- research capacity | smart brain | energy net

Coordinate

- project | program | investment

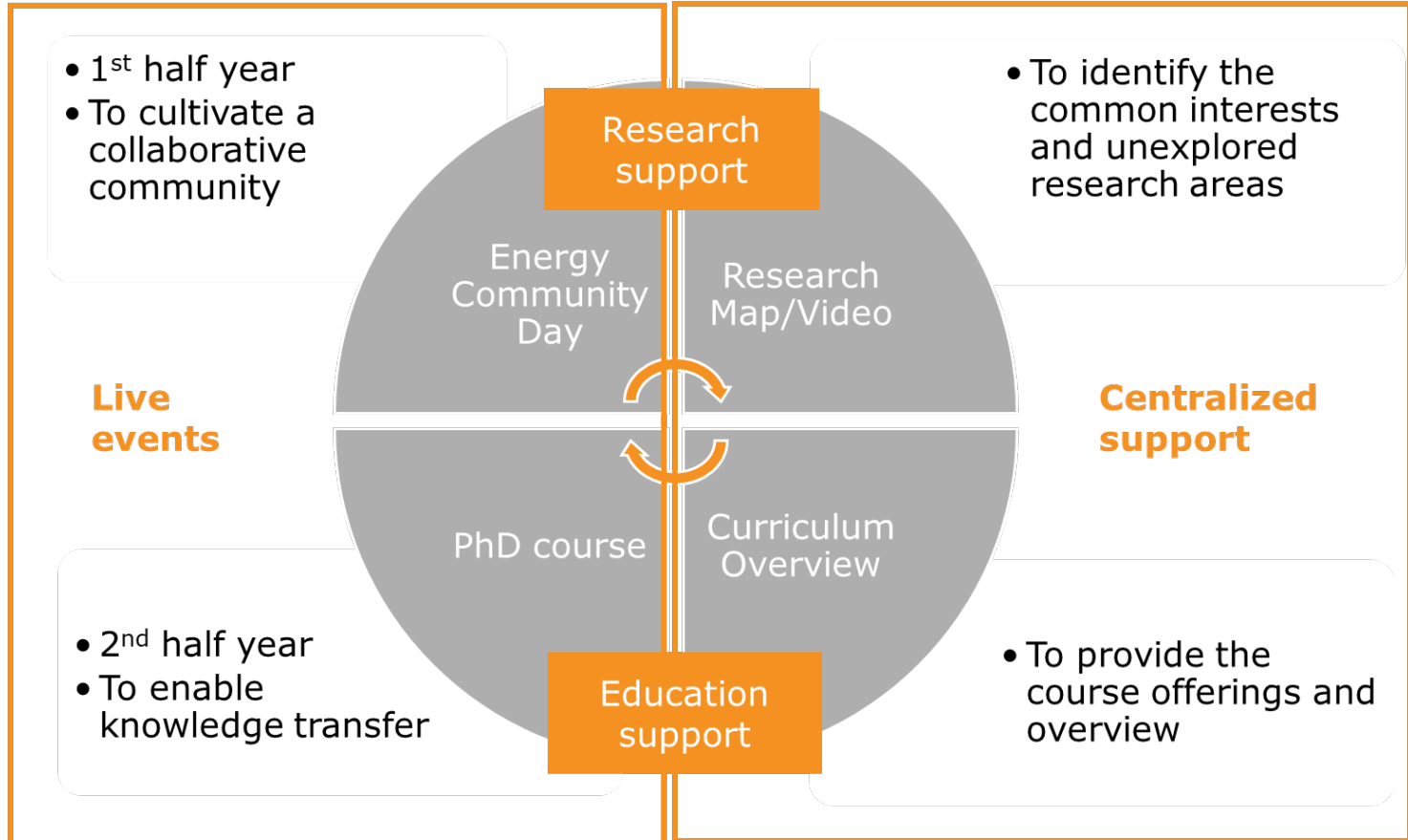
Collaborate

- between 4TU| between institute| between industry

Create

- opportunity | atmosphere | new ideas

Our flagship activities



Theme: "Energy Landscape and Funding Opportunities"

Attendees: >50; TUD~20%, TU/e~25%, UT~25%, WUG~25%, (RUG+industry)~5%



Theme: " Sustainability, Systems and Societal aspects in Energy Transition"

Attendees: ~50 from 4TUs; 1 Tilburg Univ.; 1 Saxion Univ.; 1 AMS; 1 DIFFER; 1 RUG



Our work overview



Future of Energy Business Course

- 3rd-year bachelor and master, PhD students
- Topics:
 - Decarbonizing hard-to-abate sectors
 - Scenario development
 - Business perspective around solutions such as hydrogen, power and CCS
 - The future of work in a net-zero-context
- Co-mentor:
4TU – academic + Deloitte - industry

www.4tu.nl/energy/education/

Deloitte.

4TU.Energy

Join the
Future of
Energy
Business
Course

Make the energy
transition happen

Register now!



Registrations are open for students of:

 TU Delft

 TU/e Eindhoven University of Technology

 UNIVERSITY OF TWENTE.

 WAGENINGEN UNIVERSITY & RESEARCH



4TU.Energy

calls for funding

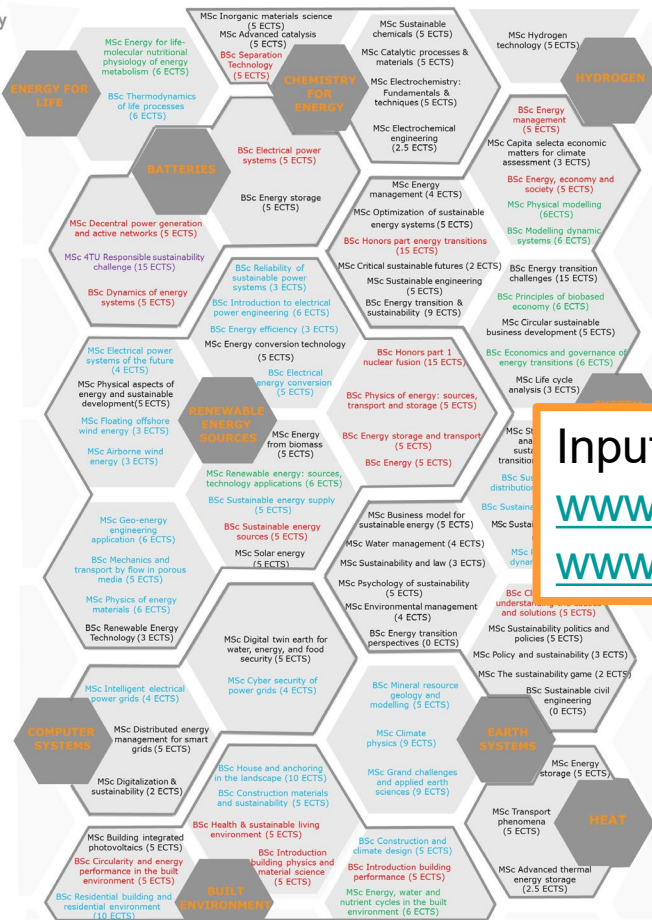
Can you connect 4TU Energy researchers better?

Submit your proposal and join the 4TU Energy call

4TU Energy is looking for bright ideas to stimulate cross institute initiatives

- Research staff:
 - Rapid research
 - Community building
- **NEW** – PhD students & Postdocs:
 - Your own research idea
 - A collaboration between young researchers
- **Coming soon** - Joint funding opportunity with 4TU.NIRICT:
 - Perspectives of two communities
 - Interdisciplinary collaborations within 4TU

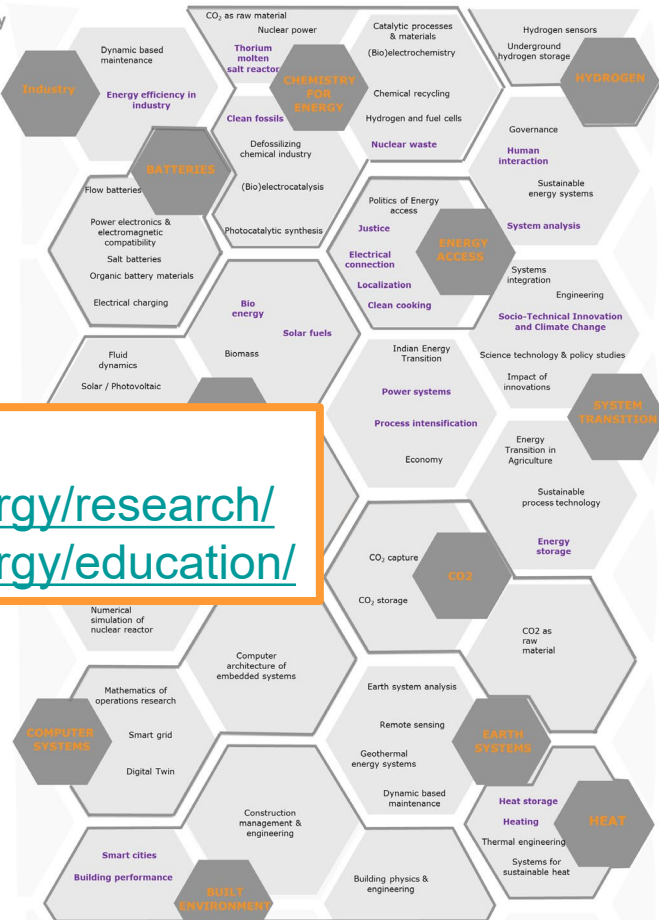
4TU.Energy Curriculum Overview



Input via

www.4tu.nl/energy/research/
www.4tu.nl/energy/education/

4TU.Energy Research Map



Thank you for your attention



4TU.Energy website

Join the community

Connect with us and explore
new opportunities in energy
research & education!



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