

# 4TU.Energy

## Community Day 2025

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

Date:  
3 April 2025

Location:  
Eindhoven Meeting Center Amersfoort



4TU.Energy's foremost emphasis lies in strengthening the community's bonds while concentrating on research and education. One of the annual activities that serves this purpose is the 4TU. Energy Community Day, this flagship event serves as a platform for researchers to forge connections, expand their professional network, and seek inspiration from their peers.

### Program

10:00 Walk-in and poster hang-up

10:45 Welcome speech: **Prof.dr.David Smeulders | Scientific Director 4TU.Energy · TU/e**

11:00 Presentation I: **Prof.dr.Moniek Tromp | Director Zernike Institute for Advanced Materials and Full Prof. Materials Chemistry · RUG**

11:30 Presentation II: **Dr.Carlos Felipe Blanco ·TNO | Senior Scientist - Circularity & Sustainability Impact & Assis.Prof. Industrial Ecology Leiden University**

12:00 Group photo and Lunch

13:00 Pitch presentation of projects funded by 4TU.Energy

- **Shuyi Peng** | Community Building | Horticulture in Energy Transition
- **Dr. Keerthivasan Rajamani** | Rapid Research | Magnetic-Ionocaloric Heat Pump System
- **Dr.Tingting Zhu** | Community Building | Energy Information Interaction Club
- **Dr.Thomas Weinhart** | Rapid Research | Thermo-Chemically Active Granular Materials

14:00 Presentation III: **Dr.Benjamin Sprecher | Assistant Prof. Sustainable Design, Environmental Impacts & Circular Economy · TUDelft**

14:30 Pitch YOUR Research

15:30 Poster market and Break

16:00 Matching sessions

1. Technical challenges and solutions for Energy Materials | Chair: **Dr.Akbar Asadi Tashvigh**
- 2&3. Manufacturing challenges – circularity, design-to-recycle, LCA | Chair: **Prof.dr.Harry Bitter**
- 2&3. Geopolitical dependencies & transition scenarios | Chair: **Dr.Mark Boneschanscher**

17:00 Networking with snacks and drinks