



UNIVERSITY
OF COLOGNE



Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center

Rhine Round Table Materials for Sustainable Energy Transition

11/12 June 2026
COLOGNE / GERMANY

SYMPOSIUM & POSTER SESSION

Sustainable processing of functional ceramic materials

Additive manufacturing, 3D printing, recycling/upcycling, life cycle assessment and materials circularity

Advanced ceramic materials for energy conversion and storage systems

Batteries, capacitors/supercapacitors, photovoltaics, fuel cells, thermoelectrics

Tandem approaches for energy conversion

PV-EC devices and systems for greenhydrogen, thermoelectrics and solar hybrids, piezoelectrics and nanogenerators

AI and ML approaches in materials discovery

Modelling and simulations, materials/process informatics, AI-driven design/analyses



ORGANIZERS & CONTACT



Prof. Sanjay Mathur

sanjay.mathur@uni-koeln.de
Institute of Inorganic and Materials Chemistry
University of Cologne
Greinstr. 6, 50939 Cologne



Dr. Peter Mechnich

peter.mechnich@dlr.de
Institute for Frontier Materials on Earth and in Space
German Aerospace Center (DLR)
Linder Höhe, 51147 Cologne

PROGRAMME

- Impulse lectures from international experts
- Visit of LUNA Analog Facility at DLR
- Poster Session
- Networking Dinner



more information and updates
<https://mathur.uni-koeln.de/rrt2026>