Industrial Liaison Office Germany

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Bundesministerium für Forschung, Technologie und Raumfahrt

1st Forum Fusion Topical Workshop

Materials for Fusion Reactors

Forschungszentrum Jülich am 26.10.2026

Agenda:

10:00 -10:45 *Registration + Welcome Coffee*

10:45 -11:00 ***Welcome Note*** - Christian Linsmeier, FZ Jülich - Ralph Dieter, BMFTR - Arnd Baurichter, FILO Germany

11:00 -12:20 ***Fusion Material Science and Interactions***
Moderation: Jan W. Coenen

- **Fusion Material Research Projects at KIT & FZJ** – Christoph Kirchlechner, KIT & Christian Linsmeier, FZJ (15 min)
- **Fusion Hubs** (15 min each)
  - MAT-TRIX, Christoph Kirchlechner, KIT
  - STRIDE, Ahmed Diallo, Proxima
  - VEGA, Sophia Spitzer, Marvel Fusion
- **Specific Material Challenges at ITER & IFMIF-DONES**
  Samuli Heikkinen, F4E (15 min)
- **Questions & Answers**

12:20 -13:30 *Lunch Break + Group Photo (15 min)*

13:30 -14:30 ***Material challenges from the perspective of Fusion Integrators*** (10+5 min each)
Moderation: Arnd Baurichter

- Marvel Fusion, Michael Ehrmanntraut
- Focused Energy, Manolo Perlado
- Proxima, Ahmed Diallo
- Gauss Fusion, Uwe Bau

14:30 -15:00 *Coffee Break*

15:00 -16:10 ***Fusion Manufacturing Specialists*** (6+4 min each)

Moderation: Christoph Kirchlechner

- **In-vessel components and heat transfer**, Max Fleischer, Siemens Energy
- **Industrial development and material innovation,** Bernd Eberhard, ams-OSRAM & OSRAM GmbH
- **Advanced additive manufacturing of Fusion components**, Pascal Wendzel, Probeam
- **SiC/SiC composites for Fusion reactors**, Kai Jäger, BJS Ceramics
- **Materialentwicklung: From powder to component: Tungsten materials for Fusion**, Arthur Becker, Dr. Fritsch
- **Tritium Fuel Cycle for Fusion Power Plants**, Christian Day, Kyoto Fusioneering
- **Fusion power plant implementation – lessons from ITER and space projects**, Axel Müller, OHB

16:10 **Concluding Remarks**

16:30 *Lab Visits* by bus (only for participants registered and accepted)