



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 (tbc) - Arnd Baurichter, FILO Germany
- 11:00 -12:20 **Fusion Material Science and Interactions**
Moderation: Wolfgang Biel
- **Fusion Material Research Projects at KIT & FZJ** – Christoph Kirchlechner, KIT & Christian Linsmeier, FZJ (15+5 min)
 - **Fusion Hubs** (15 min each)
 - ❖ MAT-TRIXC, Christoph Kirchlechner, KIT
 - ❖ STRIDE, Ahmed Diallo, Proxima
 - ❖ VEGA, Sophia Spitzer, Marvel Fusion
 - **Specific Material Challenges at ITER & IFMIF-DONES**
Samuli Heikkinen, F4E (15+5 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*



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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**, Ion Stoll, ams-OSRAM & OSRAM GmbH
- **Advanced additive manufacturing of Fusion components**, Pascal Wendzel, Probeam
- **SiC/SiC composites for Fusion reactors**, Werner Humbs, 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*** (number restricted and places allocated on a first come, first served basis)