

MTET- Rehearsal: Scientific on-site review of Helmholtz Energy at KIT

Status 08.01.2025, KIT-CN, IAP, B.401, R. 410

Start	Duration	Agenda Item	Who
28.01.2025		Rehearsal , KIT-CN, IAP, B.401, R. 410	
08:45		Arrival & Welcome	
09:00	50 min (p30/d20)	MTET Program Overview (Session 05, 11.03.25)	Jörg Sauer
09:50	50 min (p30/d20)	Topic 4 High Temperature Thermal Technologies <ul style="list-style-type: none"> - Overview, Gas Turbine - Concentrated solar power, Thermal Energy Storage - Geothermal Energy 	Bronislava Gorr Klarissa Niedermeier Thomas Kohl
10:40	25 min (p15/d10)	Topic 1 Photovoltaics <ul style="list-style-type: none"> - Highlights POF IV 	Bryce Richards, Ulrich Paetzold
11:05	15 min	*** Pause ***	
11:20		Topic 5 Resource & Energy Efficiency Cycle	
11:20	50 min (p30/d20) p14 p8 p8	Anthropogenic Carbon Cycle <ul style="list-style-type: none"> - Overview - Circular plastics - Sustainable biomass conversion - Resource system design & assessment 	Jörg Sauer (Vertretung Dieter Stapf) Jörg Sauer (Vertretung Dieter Stapf) Axel Funke Rebekka Volk
12:10	25 min (p15/d10)	High Temperature Superconductivity <ul style="list-style-type: none"> - Highlights POF IV 	Tabea Arndt, Nadezda Bagrets, Mathias Noe

12:35	60 min	*** Pause ***	
13:35	70 min (p45/d25) p15 p10 p10 p10	Topic 2 Electrochemical Energy Storage <ul style="list-style-type: none"> - Overview - Towards more sustainable high-performance rechargeable batteries - Tailoring charge storage properties at nanoconfined electrochemical interfaces - Lithium extraction from geothermal brine 	Helmut Ehrenberg Dominic Bresser Simon Fleischmann Laura Hermann
14:45	75 min (p45/d30)	Topic 3 Chemical Energy Carriers <ul style="list-style-type: none"> - Overview - Electrocatalysis beyond hydrogen - Bridging scales in catalyst syntheses - Green methanol - technology transfer 	Roland Dittmeyer Philipp Röse (Vertretung Ulrike Krewer) Moritz Wolf Mohit Singh
16:00	5 min	Final Conclusion Wrap Up	Jörg Sauer et al.
16:05		End of the Meeting and Time for Bilateral Discussions	