

### 743. WE-Heraeus-Seminar: "Process Integration, Chemical and Thermal Energy Storage for the Energy Transformation"

#### Time schedule

Time	Monday, 22.03.2021	Time	Tuesday, 23.03.2021	Wednesday, 24.03.2021
08:30	<b>Atakan</b> Welcome: Let's talk about energy storage!			
09:00	<b>Jorda</b> About the WE-Heraeus-Foundation			
09:10	<b>de Coninck</b> <i>"Limiting global warming to 1.5C: can energy storage technology help accelerate action? "</i>	09:00	<b>Leitner</b> <i>"Smart solutions for climate protection – from power to chemicals"</i>	<b>Geldermann</b> <i>"Combining scenario planning, energy system analysis, and multi-criteria analysis to develop and evaluate energy scenarios"</i>
10:10	<b>Thess</b> <i>"Thermochemical Energy Storage"</i>	10:00	<b>Trimis</b> <i>"Sulfur as energy carrier and sulfur combustion "</i>	<b>Burger</b> <i>"Options and Hurdles for Implementing Synthetic Fuels in the Transport Sector"</i>
11:10	Break	11:00	Break	Break
11:30	<b>Bardow</b> <i>"Power-to-What? Trade-offs in electrifying our societies"</i>	11:30	<b>Contino</b> <i>"Hydrogen and ammonia: robust production, utilization, and systemic impact"</i>	<b>Kleinschmidt</b> <i>"Smart Solutions for Climate Protection – From Power to Chemicals"</i>
12:30	Break	12:30	Break	Break
13:30	<b>Bertsch</b> <i>"Demand for and profitability of energy storage – A market perspective"</i>	13:30	<b>de Goeij</b> <i>"Metal energy carriers: Sustainable fuels for the future "</i>	<b>Schebeck</b> <i>"Assessment of Energy Storage Technologies: Material Cycles and Life Cycle Analysis"</i>
14:30	<b>Mulder</b> <i>"Large scale energy storage using a scalable, hybrid, system approach"</i>	14:30	<b>Haussener</b> <i>"High-temperature heat storage materials and devices"</i>	<b>di Mare</b> <i>"Turbomachines for future sustainable energy systems"</i>
15:30	Break	15:30	Break	Break
16:00	<b>Poster session</b>	16:00	<b>Poster session</b>	<b>Final Discussion</b>
17:30	<b>Discussion:</b> Assessment of energy storage strategies	17:30	<b>Discussion:</b> Research needs in thermal and chemical energy storage	<b>Final Remarks</b>
18:45	End	18:45	End	End