

“Hydrogen as an energy carrier – what can nanotechnology and new materials contribute?”

Program:

09:00 Reception at the GITZ

- 09:30 Welcome
Prof. Thomas Klassen (Helmholtz Center Hereon), Prof. Michael Fröba (University of Hamburg),
Prof. Franz Faupel (NINa-SH)
- 09:45 „Hydrogen storage in nanostructured materials: scaling up to applications“
Prof. Thomas Klassen, Helmholtz Center Hereon
- 10:15 „Hydrogen storage in nanostructured materials: Which role does the confinement in nanoporous host compounds play?“
Prof. Michael Fröba, University of Hamburg
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10:45 Coffee break

- 11:00 „Chemistry of Catalytic Materials for Synthetic Fuels and Chemical Hydrogen Storage“
Prof. Malte Behrens, Kiel University
- 11:30 „*Nanostructured materials for sunlight-driven hydrogen generation*“
Dr. Mauricio Schieda, Helmholtz Center Hereon
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12:00 Lunch

- 13:00 Begrüßung
Dr. Rainer Döhl-Oelze, NINa-SH
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Moderation Malin Girolami (NDR)

- 13:05 Video message
Michael Westhagemann, Senator of the Hamburg Ministry of Economics and Innovation
- 13:10 Video message
Dr. Bernd Buchholz, Minister of Economics, Transport, Labor, Technology and Tourism of the State of Schleswig-Holstein
- 13:15 „*Wasserstoffhafen Geesthacht – innovative Technik für die Region*“
Olaf Schulze, Mayor of the City of Geesthacht
- 13:35 „*Anforderungen an wasserstoffbasierte Energiesysteme an Bord von Schiffen*“
Prof. Sören Ehlers, Director of the DLR Institute for Maritime Energy Systems
- 13:55 „*Ein Element für alle Fälle - Wasserstoffwirtschaft in Schleswig-Holstein*“
Annika Fischer, Head of the State Coordination Office for Hydrogen Economy
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14:15 Coffee break

- 14:30 „*Wasserstoffproduktion in Deutschland: Zwischen Reallaboren und 10 GW*“
Prof. Michael Berger, Reallabor WESTKÜSTE100
- 14:50 „*Das Norddeutsche Reallabor -Wasserstoff und Sektorkopplung für die industrielle Transformation*“
Mike Blicher, HAW Hamburg / Norddeutsches Reallabor
- 15:15 Video message
Dr. Nina Scheer, Member of the Bundestag
- 15:20 **Panel discussion** „*Energiewende mit der Wasserstoff-Wirtschaft - Was fehlt in der Werkzeugkiste?*“
Prof. Michael Berger, FH Westküste
Thomas Buhck, VP IHK zu Lübeck/Buhck Group
Johannes Hartwig, Ministry of Economy, Transport, Labor Technology and Tourism
Prof. Thomas Klassen, NINa SH
Holger Stühff, Managing Director Stühff Maschinen- und Anlagenbau GmbH
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16:30 End of the event and networking time