

**ENERGY FUTURES - EMERGING PATHWAYS IN AN UNCERTAIN WORLD?**  
**International conference by the Leibniz Research Alliance on Energy Transitions**  
**May 6th - 8th 2020**  
**WZB Berlin Social Science Center**

**Application requirements:**

Please submit your 250-word abstracts to the session organizer(s) by December 15th, 2019. All abstracts must include a title, your name, institutional affiliation, and contact information.

**Session title:**

High-tech industry for energy futures

**Panel Chair(s)**

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The transition to cleaner energy systems require innovations in a wide field of different technologies. It becomes obvious in the last decades that the use of renewable energy sources implies considerable changes in the electric power distribution system and the close coupling of all sectors of energy consumption. Energy storage and power2X technologies turn out as key issues of a cleaner energy system. Here, the development of new materials with enhanced properties will support new generations of e.g. batteries, fuel cells and chemical conversion techniques. The huge number of potential technical solutions and pathways makes it more and more difficult for stakeholders to measure benefits and drawbacks and to focus funding and investment in research and development. This session should support with the presentation of selected trends and technical innovations, in particular in the power2X and CO2 capture technologies.