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Sommario/riassunto	Long description: With the ongoing transition of the electrical power system to a more sustainable generation structure we need new ideas and solutions for a safe and reliable energy supply. We named the NEIS event Conference on sustainable energy supply and integration of energy storage systems. This implies that the future power system design demands a sustainable approach with several contributions and ideas from different application fields. The NEIS 2020 was the eighth

conference event, providing an annual occasion for scientists to present their current work. A special focus of this years conference was placed on electrical power grids and relevant aspects such as power system planning, management and monitoring, as well as innovative protection methods and electromobility. Three keynote speakers from the UK, Germany and Denmark gave an insight into the newest developments in the field of future power systems and the challenges that we are facing on that way.
