

Welcome

I am very happy to welcome all participants to the Power and Energy Student Summit 2020. The last weeks and months were an intensive adventure due to COVID-19 restrictions, that forced us to reorganize the conference in order to provide an alternative in the digital world. I am confident, that the PESS 2020 will be a captivating conference with equal possibilities for scientific and social exchange just as much as in previous years.

The PESS 2020 continues the long series of previous editions of this conference at other universities all over Germany. It has always been a technical conference which is especially suitable for students in the field of electrical power engineering. The conference provides an excellent opportunity to gain first experiences in writing and publishing a scientific paper. Additionally, we offer authors the chance to present their research in front of a professional audience and get involved in discussions with experts. The conference is supervised by well-established researchers and experts and consists of an engaging program with networking and social interaction.

This year's conference program comprises 46 contributed papers covering current research topics in the different areas of Power Systems and High-Voltage applications. The conference is jointly organized by the department Electrical Power Supply with Integration of Renewable Energies (E5) at TU Darmstadt and the Cigré Young Energy Net and supported by IEEE PES, VDE-Verlag and the division of future energy systems of TU Darmstadt.

Special thanks goes to our sponsoring partners, who backed us along the whole journey to this event: our premium sponsors Mainova AG, PSI Software AG and VINCI Energies as well as our many regular sponsors. Furthermore, I wish to thank all members of the scientific advisory board for their support during paper review and all session chairs for their commitment to moderate our sessions. Finally, I would like to thank all speakers, contributors and organizers of the conference. I am looking forward to a stimulating and successful event of high scientific quality and inspiring social networking.

Prof. Dr.-Ing. Jutta Hanson

Darmstadt, October 2020