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Sommario/riassunto	Long description: The IEEE Power and Energy Student Summit (PESS) is an annual conference in the field of electrical power engineering organized by universities or research institutions in Germany. It gives young researchers like Master and PhD students the chance to present their first papers to a professional audience. First experience can be gained in scientific writing, presenting, and discussing with senior

experts. This year conference consists of an engaging program with keynote lectures, paper presentations, networking and social interaction. Best paper and presentation awards were evaluated. The (digital) PESS 2021 is jointly organized by the department of Energy Management and Power System Operation of the University of Kassel, the Fraunhofer Institute of Energy Economics and Energy System Technology (Fraunhofer IEE) and the Young Energy Net. It is supported by the IEEE PES Germany Chapter, CIGRÉ, the VDE/ETG and sponsored by 50Hertz Transmission GmbH, SIEMENS AG, and EAM GmbH & Co. KG. The unique profile of the University of Kassel is made up of the competence fields of nature, technology, culture and society. One research area is on sustainable energy supply systems of the future. This applies to studies, research and teaching, and start-ups, which the university particularly supports. The Fraunhofer IEE in Kassel conducts research for the transformation of energy systems. It develops technical and economic solutions to further reduce the costs of using renewable energies, to secure supply despite volatile generation, to ensure grid stability at a high level and finally to lead the energy transition to economic success. For more than 30 years, the institute, together with the University of Kassel, has been a pioneer with a wide range of innovations in energy system technology.