

# IEEE eGrid 2021

Nov 8-10, 2021



## Call for Papers

The 6th IEEE Workshop on the Electronic Grid (eGrid 2021) will be held on November 8-10, 2021 on-line. This workshop is jointly sponsored by IEEE Power Electronics Society (PELS) and IEEE Power & Energy Society (PES). With the increasing applications of power electronics in the power grid, the two independent areas are integrated more closely. eGrid provides an international forum for academics and industry in the field of electronic grid to exchange information on their latest research ideas, progresses, developments, experiences, achievements, state-of-art technical trends, and applications. The previous eGrid workshops have been held with great success in Hefei China (eT&D 2016), Aalborg Denmark (eT&D 2017), Charleston USA (eGrid 2018), Xiamen China (eGrid 2019), and Aachen Germany (eGrid 2020). The conference papers will be indexed by EI and included in IEEE Xplore.

The Virtual Workshop will be linked to an event on inverter intensive microgrids and will propose a rich program of invited speakers from industry, research centers, and academia.

## Main Topics

- ☆ High power electronic devices and converter
- ☆ Impacts of high-power electronic devices on power grids
- ☆ System-level control and integration of eGrid
- ☆ eGrid requirements for resilient networks
- ☆ Regulatory and policy aspects for eGrid
- ☆ Solid-state protections
- ☆ Cyber and physical grid security
- ☆ Communications and control of microgrids
- ☆ Artificial intelligence and machine learning applications in eGrid
- ☆ Standard development for eGrid
- ☆ HVDC and multi-terminal HVDC
- ☆ Solid-state power substations
- ☆ Virtual power plants with 100% renewable penetration levels and grid-forming substations
- ☆ System services requirements for eGrid
- ☆ Role of grid-forming converters for eGrid



# Paper Submission

All authors worldwide are invited to submit their extended summary in a single column with a text font size of 11pt. The summaries should be of no more than 3 pages including figures through the conference website <https://egrid2021.exordo.com/>

The submission must clearly state: the purpose of the work; the manner and degree to which it advances the art; and specific new results that have been obtained and their significance. Full papers should use the IEEE conference template with maximum 8 pages. Significant inconsistency between the accepted digests and the final full paper will be ruled out from the final proceeding.

## Contact Information

Xiang Gao, [xg@tf.uni-kiel.de](mailto:xg@tf.uni-kiel.de)

## Important Dates

Extended Digest Submission Sep 12, 2021

Notification of Acceptance Oct 17, 2021

Final Paper Submission Oct 31, 2021

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