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Paper Title: - **Supercapacitor-based Active Stabilization Method for DC Microgrid with Constant Power Load Causing Instantaneous Instability**

Authors: - **Ramjee Meena (Delhi Technological University); Arkabrata Dattaroy (IIT Roorkee)*; Avik Bhattacharya (Indian Institute of Technology Roorkee)**

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Presenter Name: - Prof. Avik Bhattacharya, Indian Institute of Technology Roorkee

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Ramjee Lal Meena received a B.E. degree in electrical engineering from the College of Technology and Engineering, Udaipur, Rajasthan, India, in 2000 and M.Tech. in power electronics from the Indian Institute of Technology Kanpur in 2002. He is currently perusing a Ph.D. degree in hydro and renewable energy at the Indian Institute of Technology Roorkee, Roorkee, India. From 2002 to 2003, he was an Executive Trainee with SJVN Ltd., Shimla, India. Since 2003, he has been a faculty member of the Department of Electrical Engineering at Delhi Technological University (erstwhile Delhi College of Engineering), Delhi, India. His research areas include Power electronics, microgrids, and power quality.

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Prof. Avik Bhattacharya: -

Avik Bhattacharya is working as Assistant Professor at Indian Institute of Technology Roorkee from February 2014. He completed his B. Tech from Sikkim Manipal Institute of Technology in 2001 and M.Tech and PhD from IIT Kharagpur in the year 2005 and 2010 respectively. He became student member, member and senior member of IEEE in 2006, 2013 and 2018 respectively. Prior to joining IIT Roorkee he has worked for R & D division of Solar Semiconductor, Danfoss Solar Inverter and Samtel Avionics/HAL. During his short stay in industry he filed two international patents on solar pump and power quality. His field of interests are power quality, micro grid, electric drive, power electronics topologies for renewable energies.

Presenter Photo: -