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A DC Circuit Breaker with Artificial Zero Current Interruption [#20545] Shrishti Singh, Subhashish Bhattacharya and Leonard White, North Carolina State University, United States

Efficient Power Transfer to Data Center Racks using Medium Voltage Inductive Coupling [#20214] Suwendu Samanta, Richard Beddingfield, Isaac Wong and Subhashish Bhattacharya, North Carolina State University, Raleigh, NC, United States; National Energy Technology Laboratory, United States

A Parallel Topology for Modularized IPT Systems [#19195] Hongsheng Hu, Tao Cai, Xiaoming Zhang, Jintao Niu, Hao Feng and Shanxu Duan, Huazhong University of Science and Technology, China; North Carolina State University, United States

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FEA based Separation of Torque Components in Interior Permanent Magnet Machines [#20680] Mohamed Zubair M Jaffar and Iqbal Husain, North Carolina State University, United States

Modeling of Electromagnetic Torque in Synchronous Reluctance Machines using Inductance Harmonics [#20735] Mazharul Chowdhury, Mohammad Islam and Iqbal Husain, Halla Mechatronics, United States; North Carolina State University, United States

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FPGA Based High Bandwidth Motor Emulator for Interior Permanent Machine Utilizing SiC Power Converter [#19536] Yukun Luo, Ma Awal, Li Yang, Wensong Yu and Iqbal Husain, North Carolina State University, United States

Small Signal Model of Mutually Coupled Switched Reluctance Motors Based on Net Flux Method [#20734] Siddharth Mehta, Iqbal Husain, Prerit Pramod and Md Ashfanoo Kabir, North Carolina State University, United States; Nexteer Automotive, United States; ABB Corporate Research, United States

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A low-inductance sectional busbar for snubberless operation of SiC-based EV traction inverters  
[#20497] Srdjan Srdic, Chi Zhang and Srdjan Lukic, FREEDM Center at NC State, United States

Optimization of DC-Link Decoupling Snubber Circuit for SiC-based EV Traction Inverters  
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Design of Modular Auxiliary Gate Driver Power Supply for medium voltage converter system  
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