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Paper ID _____ : 404

Paper Title _____ : Multi-Cell Current Source Inverter Topology for Modular Machine Drives

Bio :

Spasoje Miric received his B.Sc., M.Sc., and Ph.D. degrees in electrical engineering from the University of Belgrade in 2012, 2013, and 2018, specializing in power electronics and drives. He completed a second Ph.D. at ETH Zurich in 2021 at the Power Electronic Systems Laboratory, specializing in advanced mechatronics, where he developed novel linear-rotary actuator systems with magnetic bearings, resulting in two patented machine topologies.

Since 2021, he has been a postdoctoral researcher at ETH Zurich, and in 2023 he was appointed Assistant Professor at the University of Innsbruck. His current research focuses on high-acceleration linear motor drive control techniques, wide-bandgap power converter optimization, wireless power transfer, and advanced position sensing.