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ORNL

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BIO

Title: Wireless Power Transfer

Omer C. Onar received his Ph.D. degree from Illinois Institute of Technology (IIT) in Electrical Engineering, in July 2010, Chicago, IL. At IIT, he was a doctoral research assistant and a PhD student at the Energy Harvesting and Renewable Energies Laboratory at the Electric Power and Power Electronics Center. He is the recipient of the IEEE-Vehicular Technology Society's 2008 "Transportation Electronics Fellowship" (world-wide single award) and the IEEE-Power Electronics Society's 2009 "Joseph J. Suozzi INTELEC® Fellowship in Power Electronics" (world-wide single award). In July 2010, he received the Alvin M. Weinberg Fellowship at the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL), where he joined the Power Electronics and Electric Machinery Group. At Oak Ridge National Laboratory, he has been working on several projects including advanced power electronics and electric drives, renewable energies, energy storage systems, wireless power transfer systems, and smart grids.

Onar is the principle author/co-author of over 80 journal and conference papers as well as eight books / book chapters. He has been the "Top Reviewer" of IEEE Transactions on Vehicular Technology, elected by the Editor-in-Chief and Editorial Board of the Vehicular Technology Society in October 2011. Editorial positions: • Associate Editor, IEEE Transactions on Power Electronics. • Associate Editor, IEEE Transactions on Transportation Electrification. • Guest Editor, IEEE Transactions on Transportation Electrification – Special Issue on Wireless Power Transfer Systems. • Guest Associate Editor, IEEE Transactions on Power Electronics (TPEL) – Special Issue on Transportation Electrification and Vehicle Systems. • Guest Associate Editor, IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE) – Special Issue on Transportation Electrification. • Guest Associate Editor, IEEE Transactions on Power Electronics (TPEL) – Special Issue on Wireless Power Transfer Systems. • Guest Associate Editor, IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE) – Special Issue on Wireless Power Transfer Systems. • Guest Editor for the International Journal of Power Train's Special Section on Vehicle to Grid Applications and Rechargeable Vehicles. Dr. Onar served/serves as Track/Topic Chair and Session Chair for the IEEE Applied Power Electronics Conference and Exposition (APEC), IEEE Transportation Electrification Conference and Expo (ITEC), IEEE Vehicle Power and Propulsion Conference (VPPC), and the IEEE Energy Conversion Congress and Exposition (ECCE). He is the Program Chair of ITEC 2016, General Chair of ITEC 2017, and IEEE PELS Workshop on Wireless Power Transfer (WoW) 2016.

