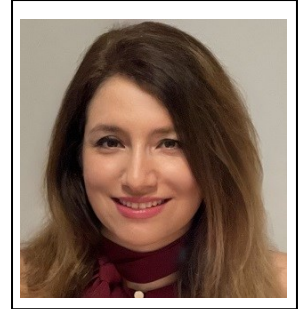


## ICRERA 2025

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### **Samaneh Yazdanipour**

PhD Candidate, Toronto Metropolitan University, Toronto, Canada



**Paper ID** : 298

**Paper Title** : Overview on Controllers in Wireless Power Transfer Systems for EVs

### **Bio :**

Samaneh Yazdanipour is a Ph.D. candidate in Electrical and Computer Engineering at Toronto Metropolitan University, Toronto, ON, Canada. She received her M.Sc. degree in Electrical and Control Engineering from Shahid Beheshti University, Tehran, Iran, in 2014. Her research focuses on the cyber-physical security of electric vehicle (EV) charging systems, particularly wireless power transfer charging systems. She investigates the interdependencies between transportation and electrical grids and conducts vulnerability analyses of critical grid components in the power system. Her work contributes to developing cyber-secured frameworks that enhance the security and reliability of future EV infrastructure. She is the recipient of the Toronto Hydro Graduate Award in Power and Energy Systems (2025), presented at the Clean Energy Expo for outstanding academic excellence and impactful research in the field of smart-grid electrification and EV charging technologies. She has authored and co-authored several papers in leading IEEE conferences and journals.