

Dr. I. Krishna Pavan

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Biography

Dr.I.Krishna Pavan received the B.Tech degree in Electronics and Communication engineering from P. V. P Siddhartha Institute of Technology, Vijayawada and the M.E degree in Communication and Networking from Anna University, Chennai, India. He received Ph.D. degree from Indian Institute of Technology Guwahati, Guwahati, India, in the area of Smart Grid Communication Networks. His research interests include communication networks, wireless communications, smart grid communication networks, vehicle to grids, and smart grids.

Awards & Honors

1. Member of IEEE
2. Reviewer for IEEE Transactions on Transportation Electrification.
3. Reviewer for IEEE Transactions on Smart Grid.

Selected Publications

1. **K. P. Inala**, B. Sah, P. Kumar and S. K. Bose, "Impact of V2G Communication on Grid Node Voltage at Charging Station in a Smart Grid Scenario," in *IEEE Systems Journal*, doi: 10.1109/JSYST.2020.3007320.
2. **K. P. Inala**, P. Kumar and S. K. Bose, "Impact of communication systems on grid node voltage and operation of a vehicle-to-grid controller in a smart-grid scenario," in *IET Power Electronics*, vol. 12, no. 13, pp. 3499-3509, 6 11 2019, doi: 10.1049/iet-pel.2019.0109.
3. B. Sah, P. Kumar, R. Rayudu, S. K. Bose and **K. P. Inala**, "Impact of Sampling in the Operation of Vehicle to Grid and Its Mitigation," in *IEEE Transactions on Industrial Informatics*, vol. 15, no. 7, pp. 3923-3933, July 2019, doi: 10.1109/TII.2018.2886633.
4. **K. P. Inala**, S. Kumar Bose and P. Kumar, "Impact of Communication Network on V2G System in a Smart Grid Scenario," 2019 *IEEE 16th India Council International Conference (INDICON)*, Rajkot, India, 2019, pp. 1-4, doi: 10.1109/INDICON47234.2019.9028899.
5. **K. P. Inala**, S. Kumar Bose and P. Kumar, "Performance Evaluation of EVs mobility using SUMO and ns2 in a Real-Time V2G Scenario," 2019 *IEEE 16th India Council International Conference (INDICON)*, Rajkot, India, 2019, pp. 1-4, doi: 10.1109/INDICON47234.2019.9028947.