



Paper ID : 194-New Predictive Control Method for Optimal Minimization of Plug-in Electric Vehicle (PEV) Charging Cost with Vehicle-to-Home (V2H) capability
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Harun Turker was born in Grenoble, France, on June 2, 1984. He received the master's degree in Electronique, Electrotechnique, Automatique and Traitement du Signal from the University of Joseph Fourier, Grenoble, France, in 2009, and the Ph.D. degree in electrical engineering from the Grenoble Institute of Technology (Grenoble INP), Grenoble, France, in 2012. From 2013 to 2014, he was Project Manager with Grenoble INP. From 2015 to 2018, he created the start-up TH Consulting. From 2018 to 2022, he was with various DSO companies in Switzerland, responsible of solar activities. From 2022, it is deputy director of Ponzio Solar SA company; society which builds photovoltaic power plants.



Seddik Bacha was born in Ighram, Algeria in 1958. He received the Engineering and Magister degrees from the National Polytechnic School of Algiers, in 1982 and 1990. He joined the Grenoble Electrical Engineering Laboratory (G2Elab) and received the PhD and HDR degrees in 1993 and 1998, respectively

He served as Assistant Professor during six years in Algeria at the National Polytechnic School of Algiers and University of Bejaïa-Bgayet. In 2013 he has been appointed Assistant Professor at Grenoble University and got Full Professor position in 1998.

He has been leading the power System Group inside G2Elab during more than 10 years ; He served as deputy director of the GDR SEEDS. He is currently Program Scientific Director and Scientific Council Chairman at the SuperGrid Institute of Energy Transition (France)

His research interests are based on the modelling and control of electrical energy processes: Renewable energy systems, Intelligent buildings, V2G, microgrids and HVDC super grids. .. He holds 11 patents, is (co-)author of 3 books, and he has published more than 500 publications in journals and conference proceedings. He has supervised 60 PhD thesis. He is a IEEE senior member.

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