

R&D Profile Form



Name of the Organisation	TUBITAK Marmara Research Center Energy Institute
Organisation Short Name	MRC EI
Organisation Type	Research Centre
Country	Turkey
Fields of Activity	Fuel Cell Module and Component Development, System Entegration, Hydrogen Production and Purification, Fuel Analyses and Alternative Fuels Production (Biodiesel), Power Electronics Technologies, Vehicle Technologies: Hybrid and Electric Vehicle Technologies Including Powertrain Design and Demonstration, Modelling And Simulation, Electric Motors, Drivers and Vehicle Control Units, Battery Systems for HEVs, Prototype Battery Manufacturing and Development, Battery Management System Design and Production
Skills and Expertise Offered	Major Product Prototypes: Hybrid Electrical Vehicles (HEV), Electric Motor/Driver and HEV Control Unit, Ni-MH Battery for HEVs, Polymer Electrolyte Membrane Fuel Cell components, Direct Sodium Boron Hydride Fuel Cell, Membrane Reactors
Keywords	Fuel Cell, Electric Motors, Power Electronics, Batteries
Previous FP Projects Participated	IRMATECH (Integrated Research on Materials, Technologies, and Processes to Enhance MCFC in a Sustainable Development) MOCAMI (Innovative Cost-Effective Hybrid System Based on Integration of a MCFC and a Gas Turbine for High Efficiency Dispersed CHP Generator) NATURAL-HY (Preparing for the Hydrogen Economy by Using the Existing Natural Gas System as a Catalyst) EU-DEEP (The Birth of a European Distributed Energy Partnership that Will Help the Large-Scale Implementation of Distributed Energy Resources in Europe) TYGRE (High Added Value Materials from Waste Tyre Gasification Residues)
Topic(s) Interested	"Green Cars" and "Electrochemical Storage" Topics <i>(Example: SST.2010.1.1-1. Carbon footprint of freight transport)</i>
Contact Person	Hamdi Ucarol
Position in the Organisation	Manager
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