

9th International Summer School on Advanced Studies of Polymer Electrolyte Fuel Cells (PEFCs)

Date: 28th August - 3rd September 2016
 Graz University of Technology, NAWI Graz
 Institute of Chemical Engineering and Environmental Technology

Place: Inffeldgasse 25 D, 8010 Graz, Austria
 1st floor, Lecture Room i7

	Sunday 28.08.2016	Monday 29.08.2016	Tuesday 30.08.2016	Wednesday 31.08.2016	Thursday 01.09.2016	Friday 02.09.2016	Saturday 03.09.2016
08:00- 08:30		Welcome Prof. Viktor Hacker					
08:30- 09:30		Principle of Polymer Electrolyte Fuel Cells Prof. Shigenori Mitsushima	Polymer Electrolyte Membranes for Fuel Cells: Structure and Transport Properties Dr. Larisa Karpenko-Jereb	Basics of Electrochemical Measurements Prof. Shigenori Mitsushima	Impedance Spectroscopy Measurement Techniques Prof. Bernd Eichberger	Heat and Mass Transport inside PEFC Prof. Takuto Araki	Social Event Excursion Schöckl
09:45 - 10:45		Environmental Impact Factor for Hydrogen Energy Prof. Ken-Ichiro Ota	Step by Step Determination of the Kinetic Parameters of the ORR on Carbon Supported Nano-Catalysts (1) Prof. Boniface Kokoh	Modeling of Fuel Cells Dr. Uwe Reimer	Heat and Mass Transport inside PEFC Prof. Takuto Araki	DAFC, DBFC, HTPEM and AFC Dr. Alexander Schenk Dr. Christoph Grimmer	
11:00 - 12:00		Carbon Support Corrosion and Membrane Degradation Prof. Viktor Hacker	Step by Step Determination of the Kinetic Parameters of the ORR on Carbon Supported Nano-Catalysts (2) Prof. Boniface Kokoh	Modeling of Fuel Cells Dr. Uwe Reimer	Thermodynamics for Hydrogen Production Prof. Angelo Basile	Group Photo Closing Ceremony	
12:00 - 13:30		Lunch Break	Lunch Break	Lunch Break	Lunch Break		
13:30- 14:30	Reception events	Single Cell PEFC Testing: MEA Preparation Gaetano Squadrito	Electrocatalyst Preparation Methods Dr. Teko Napporn	WORKSHOP 14:30 Welcome Gold at Nanoscale as Electrocatalyst for Glucose/Air Fuel Cell Dr. Teko Napporn, University of Poitiers, France Fuel Cells in South Africa: Research, Development, Innovation and Market Trends Dr. Cordelia Sita, University of Western Cape, HySA, South Africa Student Poster Session	Ultra Pure Hydrogen Production using Pd-based Membrane Reactors Prof. Angelo Basile		
14:45 - 15:45		Single Cell PEFC Testing: Testing Protocol Gaetano Squadrito	Thermodynamics - Exercise Practical Training Prof. Shigenori Mitsushima Prof. Viktor Hacker		Design and Applications of High Temperature PEM Fuel Cells Prof. Rodolfo Taccani		
16:00- 17:00							
evening			18:00 Guided Tour: Main Square of the city / Town Hall			17:15 Get-together / Catering	