

FIRST ANNOUNCEMENT

INTERNATIONAL WORKSHOP ON ACCELERATED TESTING IN FUEL CELLS

Date: October 6th, 2008 - October 7th 2008

Location: WBZU, Ulm

SCOPE AND OBJECTIVES OF THE WORKSHOP

Based on the 2007 degradation workshop results, this workshop is aimed at:

- Quantifying the effects of degradation mechanisms on fuel cell performance and prioritising the mechanisms according to their relevance in everyday operation.
- Identifying experimental methods, procedures, testing equipment, modeling, and data analysis approaches to accelerate individual degradation mechanisms.
- Discussing accelerated testing protocols.
- Assessing the role of operating conditions on accelerating degradation phenomena
- Supplying support to industry in product qualification testing protocols.
- Supporting Standard developing organizations and certification bodies.

Oral presentations on technical aspects related to accelerating ageing phenomena in PEFC, MCFC, and SOFC will be given on invitation. Poster presentations on special topics will be arranged. A panel discussion will close the workshop, and will suggest future directions in fuel cell degradations research.

WHO SHOULD ATTEND

The workshop is targeted at Developers and Scientists from industry and academia.

PRELIMINARY AGENDA

October 6 th , 2008		
09:00-1:00	Registration	
Accelerated Testing and Degradation Effects		
11:00-13:00	Welcome and Scope	
14:00-18:00	Parallel Sessions	
	PEFC	High Temperature Fuel Cells
	General aspects Materials Aspects Acceleration Effects caused by external parameters Modeling of Degradation Effects enhancing ageing	Overview, priority and modeling of degradation effects <ul style="list-style-type: none"> Corrosion of metallic components Porous components: Creep and morphology change Electrolyte evaporation Cathode dissolution Thermal load cycling effects Diagnostic and measurement methods <ul style="list-style-type: none"> IR and impedance measurement Gas analysis In-situ and real time monitoring Testing protocols and procedures Numerical and analytical modeling
	Poster Exhibition	
Dinner		
October 7 th , 2008		
Accelerated Testing and Degradation Effects in Fuel Cells		
09:00-13:00	Parallel Sessions	
	PEFC	High temperature Fuel Cells
	Testing protocols for accelerated lifetime tests Characterization methods	Accelerated testing <ul style="list-style-type: none"> Statements on the applicability of accelerated tests The role of operating conditions on degradation effects Application oriented operation and corresponding tests Round table discussion
14:00-15:30	Joint Session PEFC, MCFC, and SOFC: conclusions from parallel sessions and recommendations	
15:30-16:00	Final Discussion	
End of Meeting		

SUBMISSION OF ABSTRACTS

One page abstracts for poster presentation must be submitted no later than 31 August 2008 to the technical contact persons G. Tsotridis and L. Joerissen.

PRE-REGISTRATION

Pre-registration is open, please contact M. Egger at WBZU directly.

Regular updates on the program are available from the internet

<http://www.fctedi.eu/symposia.html>

SCIENTIFIC COMMITTEE

Dr. Laurent ANTONI, CEA

Prof. Dr. Andreas FRIEDRICH, DLR

Dr. Ludwig JÖRISSEN, ZSW

Dr. Werner LEHNERT, FZJ

Dr. Angelo MORENO, ENEA

Dr. Robert STEINBERGER-WILCKENS, FZJ

Dr. Georgios TSOTRIDIS, JRC

TECHNICAL CONTACTS AND FURTHER INFORMATION

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REGISTRATION AND ADMINISTRATIVE ISSUES

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Registration via a web-site will open from July 20, 2008, at the latest. Details will be sent to pre-registered participants and advertised publicly. Please ensure to pre-register in order not to miss this information!

VENUE

The meeting is being held at the Fuel Cell Training Center Ulm (WBZU) in Ulm, Germany. Ulm can be easily reached by car or train. The nearest airport is Stuttgart from where it takes approximately 45 min by car or 1½ hours by train. Frankfurt airport is within 2 h by fast train (ICE).

MEETING FEE

Regular participants:

480 €

Student participants and presenters:

280 €

