

FRAUNHOFER INSTITUTE FOR MANUFACTURING TECHNOLOGY
AND ADVANCED MATERIALS IFAM

ADVANCED ALKALINE ELECTROLYSIS

INDUSTRY WORKSHOP OCTOBER 16th, 2019











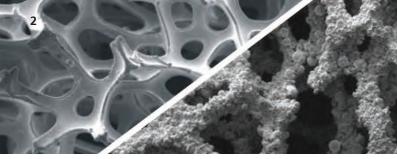


Welcome coffee, registration

PROGRAM

10:00 Welcome address

10:10	Role of electrolysis in a hydrogen energy cycle,
	EU strategic view on electrolyser industry
	Nikolaos Lymperopoulos, FCH JU
10:25	Impulse Advanced alkaline electrolysis
10:30	Alkaline electrolysis development in China
	Chen Tianshan, PERIC
10:45	Comparing alkaline and chlor-alkali electrolysis
	Thijs de Groot, Nouryon
11:00	Large scale alkaline electrolysis
	Lukas Lüke, thyssenkrupp
11:15	Present and future markets for AWE
	Fabian Fremdling, AIRBUS
11:30	Coffee break
12:00	Impulse AEL3D project
12:05	Next generation of electrodes for the alkaline
	water electrolysis Christian Bernäcker, Fraunhofer IFAN
12:20	Alkaline electrolysis at elevated pressure and
	temperatures above 100°C - advantages and
	challenges Ulrich Fischer, BTU Cottbus
12:35	Comparison of 2-phase flow CFD-/ and experi-
	mental data within porous electrodes in alkaline
	water electrolysis Michael Liebert, ZSW Ulm
12:50	Lunch break



Front, 1 - Alkaline electrolyzer, 2 - Foam substrate and catalyst coated foam substrate, 3- Synchrotron X-ray tomography image of an electrode

13:50	Impulse Supply industry for alkaline electrolysis
13:55	Introduction and future perspective to diaphragm
	technology for classical and advanced alkaline
	water electrolysis Wim Doyen, MMM Innovations BVBA
14:10	ZIRFON: High performance membrane for the
	advancement of hydrogen applications
	Nick Valckx, Agfa Geveart
14:25	Metallic fiber structures as electrode material for
	alkaline water electrolysis Martin Buchmann, BinNova
14:40	Using high-volume production components for AEL
	systems Ingmar Hartung, IAV GmbH
	•
14:55	Coffee break
15:25	Impulse Applications for alkaline electrolysis
15:30	Sector coupling – considering the system
	Jan Teuwsen, Amprion
15:45	Power-to-X technologies
	Andreas Heinrich, MAN Energy Solutions SE
16:00	Podium discussion with all speakers of the day
16:45	Closing and farewell
	-
16:50	Networking coffee and lab tour (alkaline water
	electrolyser and electrode production)
	A contract to the contract of

With my registration I give my consent to photos being taken during the workshop as well as for the electronic storage of my data (incl. the use of my address for further invitations and information).

Networking event in the historic city of Dresden

20:00

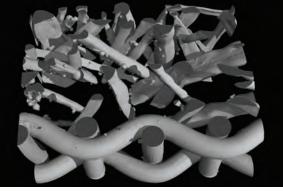
Contact:

Fraunhofer Institute for

Branch Lab Dresden

Manufacturing Technology

and Advanced Materials IFAM



Registration for the Industry Workshop Advanced Alkaline Electrolysis

16th October 2019 at the Fraunhofer Institute Center Dresden Winterbergstrasse 28, 01277 Dresden, Germany

Name, Fi	rst Name
Compan	y / Department
Address.	
Phone	
E-Mail	
	I participate in the evening networking event.
Please re	gister for the workshop until September 30th, 2019 .
The worl are self-k	kshop is for free; travel expenses and networking event porne.
Please se	end your registration to:
Fax:	+49 351 2537 399
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