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Kofinanziert durch das Programm
„Horizont 2020“ der Europäischen Union



Invitation
to the International Symposium on

“Emerging Membrane Technologies for Industrial Water Management in the Surface Treatment Industry”

Experiences based on national projects and
the Horizon 2020 project REWACEM

25. 10. 2017
09:00 – 14:00 + open end Networking
Place WKO – Wirtschaftskammer Österreich;
Rudolf Sallinger Saal
Wiedner Hauptstraße 63, 1045 Wien



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The consumption of valuable raw materials is growing globally - current consumption amounts to 68 million tons of raw materials per year – thus a change to a „Circular Economy“ in production processes is absolutely essential for a sustainable future with limited resources.

Surface treatment processes require the use different kinds of valuable metals and chemicals. These are continuously lost in the processes e.g. due to the rinsing step. Innovative technologies for the recovery of these valuable substances as well as the resource water are urgently needed.

The aim of the International Conference „Emerging Membrane Technologies for Industrial Water Management in the Surface Treatment Industry“ is to bring scientists and engineers directly together with responsible persons from industry. The program includes best practice examples, future technological developments as well as system integration and energy concepts. An open round of discussion on how to overcome challenges will complete the meeting and shall stimulate new research questions and further cooperation among the participants.

We cordially invite you as a technology provider, a representative of the surface treatment industry, plant engineer, technology provider in the field of membranes or as representative of universities, universities of applied sciences or non-university research organization with interest in resource and energy efficiency in the surface treatment industry.

Programme

09:00	Welcome and Introduction	Christoph Brunner	AEE INTEC	Welcome in Vienna
09:10	Welcome Bmvit, Klimafond	Theodor Zillner (tbc) Elvira Lutter	Bmvit Klima und Energiefond	
09:30	Welcome Wirtschaftskammer Österreich	Stephan Schwarzer (tbc)	WKO	Impulse talks - Tandem (practical examples/experiences)
09:40	Integration of innovative technologies in the metal surface treatment industry with optimised energy supply concepts	Michael Georg Schuschnig Judith Buchmaier	Roto Frank Austria GmbH AEE INTEC	
10:00	Zinc-coating process in Italy: Recovery of hydrochloric acid from pickling solutions and rinsing water at Tecno Zinco	Andrea Cipollino Alberto Di Cristofalo Lello Pernice	UNIVERSITA DEGLI STUDI DI PALERMO Tecnozinc S.r.l. Associazione Italiana Zincatura	
10:20	Copper electroplating process in Spain: Recovery of sulphuric pickling solutions and rinsing water at Electroniquel	Guillermo Zaragoza Paloma Hurtado	Plataforma Solar de Almería (PSA), CIEMAT Electroniquel, SAU	
10:40	Coffee break			
11:00	Steel industry in Germany: Particle separation from strong mixed acidic water streams	Daniel Winter Hannes Krieg	FRAUNHOFER ISE Universität Stuttgart Germany	
11:20	Energetically optimised gold and palladium recovery in the printed board industry in Austria	Christian Platzer Kirtiraj Chavan	AEE INTEC SSP	
11:40	Questions Discussion	Christoph Brunner	AEE INTEC	
12:00 12:30	Coffee/ Snack			
12:30 20 min each 13:30	WORLD CAFE Table 1: What are the technological challenges at membrane level, in terms of system integration and in respect to the workpieces? How to overcome them?	Discussion Line: Elvira Lutter	Experts: Michael Georg Schuschnig	
	Table 2: Which factors influence the economic points of view when integrating new systems in this industrial sector? (Process optimization waste heat integration)	Discussion Line: Stephan Schwarzer (tbc)	Experts: Joachim Koschikowski	
	Table 3: How does the life cycle of these processes/technologies look like? Which factors are relevant for environmental topics?	Discussion Line: Theodor Zillner (tbc)	Experts: Hannes Krieg	
13:30 14:00	Summary and closing remarks	Christoph Brunner discussion line/experts	AEE INTEC	
14:00	Networking with Buffet			



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Attendance fee:

EUR 110,- EUR 95,-
for members of AEE

Please register under seminare-aeointec@aee.at

Address of the event:

Wiedner Hauptstraße 63, 1045 Wien

ARRIVAL WITH PUBLIC TRANSPORT:

Trams 62, 1
and Badner Bahn
Bus 13A stop Johann Strauss Gasse
U 1 stop Taubstummengasse

By car: Access via Schönburgstraße
Parking is limited in the garage

Parking: Short parking zones Monday to Friday
from 09:00 to 22:00, maximum time 2 hours.
Parking lots are available in most tobacco shops and
banks, railway stations and the Wiener Linien.

Organisation

AEE – Institute for Sustainable Technologies (AEE INTEC)