



robeko in-house exhibition & workshop  
**PLASMATECHNOLOGY**  
**12.09.2017 – 14.09.2017**

In Cooperation with:



More information  
and registration under  
[www.robeko.de](http://www.robeko.de)



PLASMA TECHNOLOGY

introductory  
**WORDS**

## Welcome...

For the third time we give our clients the opportunity to visit our headquarters and get a personal impression of our products and services. The event offers a platform for an informal exchange with different experts in the field of plasma technology.

The 2017 workshop is jointly organized with our partners Sputtering Components and PLASUS and focuses on sputtering, plasma monitoring and PECVD.

We are looking forward to seeing you.

  
**Rolf Schäfer**  
President

# Agenda / Overview

**TIME**      **TOPIC**      **WHERE**

## Day 1 – 12.09.17

see page 6      Technical training: SCI-Endblocks, RAM bar and PLASUS EMICON      Conference hotel

see page 7      Product demonstrations: Nanobond, PECVD, reactive sputtering from rotatable cathodes      robeko

15:00      Hiking tour with refreshment      Conference hotel

19:00      Reception      Conference hotel

## Day 2 – 13.09.17

8:30-17:00      Technical presentations      Conference hotel

see page 6      Technical training: SCI-Endblocks, RAM bar and PLASUS EMICON      Conference hotel

**TIME**      **TOPIC**      **WHERE**

## Day 2 – 13.09.17

see page 7      Product demonstrations: Nanobond, PECVD, reactive sputtering from rotatable cathodes      robeko

19:00      Dinner, Mexican restaurant (individual payment)      Papasote/  
Kaiserslautern

## Day 3 – 14.09.17

see page 6      Technical training: SCI-Endblocks, RAM bar and PLASUS EMICON      Conference hotel

see page 7      Product demonstrations: Nanobond, PECVD, reactive sputtering from rotatable cathodes      robeko

# Agenda / Schedule in the morning / Day 2 / 13.09.17

TIME	INFO	COMPANY	TOPIC	PRESENTER
09:00		robeko	Welcome	Rolf Schäfer
09:10	Lecture 1	robeko	PECVD processes using a microwave plasma	Rolf Schäfer
09:35	Lecture 2	Plasus	Beyond PEM – Advanced spectroscopic process control for industrial plasma application	Thomas Schütte
10:00	Lecture 3	Freudenberg	Plasma Technology as Tool for Surface Treatment	Friederike von Fragstein
10:25	BREAK			
10:45	Lecture 4	Fraunhofer IST	Trends and Developments in highly ionized plasmas	Ralf Bandorf
11:10	Lecture 5	FHR Anlagenbau	Sputtering of Aluminium as functional electrical and optical thin film	Sascha Kreher
11:35	Lecture 6	Karlsruher Institut f. Technologie	Titanium and Zirconium based protective coatings	Sven Ulrich
12.00	LUNCH BREAK			

# Agenda / Schedule in the afternoon / Day 2 / 13.09.17

TIME	INFO	COMPANY	TOPIC	PRESENTER
13:30	Lecture 7	Sputtering Components	Asymmetrical target erosion in rotary cathodes due to the cross-cathode effect	Patrick Morse
13:55	Lecture 8	Matesy	New tools for measurement of magnetic field distribution and target utilization of cylindrical sputtering cathodes	Lothar Herlitze
14:20	Lecture 9	Plansee SE	Thin film materials solutions for flexible electronic applications	Christian Linke
14:45	BREAK			
15:00	Lecture 10	VAT	Challenges for valve technology under the aspect of continuously deeper integration in Process technology	Jan Borck
15:25	Lecture 11	Rovak	Flash lamp annealing	Marcel Neubert
15:50	Lecture 12	Helmut Fischer	Coating analysis with Fischerscope XDAL	Cay Pinnow
16:15		robeko	Closing remarks	Rolf Schäfer

# Agenda / Hands-On + Technical Training / Time Table

**SPECIAL, INDIVIDUAL REGISTRATION REQUIRED!**

<b>TIME</b>	<b>Drop-In end blocks session</b>	<b>SideMount end blocks session</b>	<b>RAMbar training session</b>	<b>EMICON Plasmamoni- tor session</b>
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**LOCATION** for all sessions/all days is the  
Conference hotel

## Day 1 – 12.09.17

10:00	D1	S1	R1	
12:15	D2	S2	R2	
15:00	D3			E1
16:45		S3		E2

## Day 2 – 13.09.17

10:00	D4	S4		E3
13:30	D5	S5		E4
15:15			R3	E5

## Day 3 – 14.09.17

10:00	D6	S6	R4	E6
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The above technical training sessions are exclusively available against special registration. They address in particular customers who believe their service technicians, sales personnel or decision makers need deeper knowledge about the different SCI end block types and how to service them. During these sessions end blocks will be disassembled to show how to service and maintain them. Attendants will have the chance to really work on the end block themselves.

Please note, that during day 2, the stations will be manned from 8:00-17:00. All your general technical questions can be answered by our qualified staff outside those training sessions.

Depending on interest sessions might be cancelled.

# Demos and company tours in Mehlingen / September 12th – 14th

During the product demos and company tours you will be able to see robeko's new products, coating development capabilities and analytical equipment. Learn more about the new MW Plasmasource and our different coaters.

## DATE / TIME DEMO

### 12.09.17

10:00 - 12:00 Microwave plasma source with EMICON Plasma spectroscopy & PECVD (SiO<sub>2</sub> with HMDSO)

13:00 - 14:30 Pretreatment of plastics with DMPTS and/or Microwave

### 13.09.17

10:00 - 12:00 Nanobond demonstrations

12:20 - 13:10 Reactive Sputtering from rotatable cathodes ZV1200 inline sputter system

14:00 - 16:00 Microwave plasma source

### 14.09.17

10:00 - 11:30 Nanobond demonstrations

10:00 - 11:30 Microwave plasma source



# Conference hotel / Product demo area



## CONFERENCE HOTEL

**Landidyll Hotel Klostermühle**

Mühlstraße 19

D-67728 Münchweiler / Alsenz

Phone +49 6302 9220-0

Fax +49 6302 9220-20

E-mail [info@klostermuehle.com](mailto:info@klostermuehle.com)

Web [www.klostermuehle.com](http://www.klostermuehle.com)



## ROBEKO INDUSTRIAL BUILDING

An der Heide 3B Phone +49 6303 999-00

D-67678 Mehlingen Fax +49 6303 999-01

