



# ICCG 12

## THE 12<sup>TH</sup> INTERNATIONAL CONFERENCE ON COATINGS ON GLASS AND PLASTICS

Advanced coatings for large-area  
or high-volume products

**JUNE 11-15, 2018**

Conference Center Würzburg,  
Germany · [www.iccg12.de](http://www.iccg12.de)

Organized by  
International Organizing Committee of ICCG,  
Fraunhofer Institute for Silicate Research ISC  
and Vincentz Network



# Fraunhofer

ISC



VINCENTZ



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## Dive into the World of Coatings

We look forward to welcoming you to the ICCG12 held in Würzburg for the first time ever. ICCG is a biannual international scientific conference including technical exhibition and industry get-together.

In 2018, participants will "Dive into the World of Coatings" and will find this motto reflected on a number of very different levels which all serve to create an attractive meeting space for scientists, technologists, managers, and practitioners from research, teaching and industry. There will be opportunities to discuss all kind of topics in the field of large-area coatings on glass and plastics.

## New concept

To foster the idea of networking and to offer a platform for future projects, the accompanying exhibition will be turned into a marketplace for innovation. Exhibitors will have the opportunity to give short presentations or to host innovation talks to introduce latest developments. There will also be room for B2B meetings which may lead to follow-up contacts at a later stage. It is also seen that there is time available for in-depth discussions without having to miss out on a talk or skip a presentation.



## Conference topics

The application of coatings onto glass and plastics is still of major importance to create high added value products. Large area deposition of inorganic materials under atmospheric or vacuum conditions has become the basis of energy savings, harvesting, and storage. Optical thin films dominate the market in consumer electronics and communication networks. Emerging markets and new business opportunities for high volume products rely on coatings on flexible substrates generated either through plasma enhanced processes or wet chemical deposition techniques. Advanced materials and hybrid nanocomposites present further options to create multifunctional and even active surfaces contributing to the development of high-tech products and services. The 12<sup>th</sup> ICCG will highlight these international market trends, discuss new relevant materials and deposition technologies. We will bring together experts from science and industry as well as other stakeholders defining the future of surfaces and coatings.

## Short courses

Prior to the conference, on Monday afternoon June 11, 2018, several short courses will be given by experts in the field of thin films and coatings. These educational lectures are intended to provide fundamental and technological background on specific conference topics.

*Local Chairman: Dr. G. Schottner*

## Conference program

### **Introductory session**

#### **Markets and business in the field on coatings on glass and plastics**

*Chairmen: Dr. K. Suzuki, Mr. J. Vitkala*

## Topics and preliminary call for papers

The conference will be organized in several sessions. Papers are invited to contribute to the following sessions:

## Technical sessions

### **1 Advanced vacuum processes**

*Chairmen: Prof. Dr. G. Bräuer, Dr. J. Strümpfel*

### **2 Atmospheric pressure processes**

*Chairmen: Prof. Dr. K. Spee, Dr. J. Pütz*

### **3 Film growth, metrology, process control, simulation**

*Chairmen: Mr. R. Shimshock, Dr. T. Kälber, Prof. Dr. B. Szyszka*

### **4 Energy conversion, lighting, displays**

*Chairmen: Dr. M. Junghähnel, Dr. D. Bernt*

### **5 Optics, sensors, life sciences, packaging**

*Chairmen: Dr. G. Ockenfuss, Prof. Y. Shigesato*

### **6 Architectural and automotive glazing**

*Chairmen: Prof. S. Oktik, Dr. R. Thielsch*

#### **Panel discussion: Electromobility and autonomous driving and its influence on coatings on glass and plastics**

Please submit your abstract until November 30, 2017 here:

**[www.iccg12.de/call-for-papers](http://www.iccg12.de/call-for-papers)**

The conference language is English. Submission in other languages will not be accepted. The best paper and poster will be honoured.

## Preliminary schedule and social events

### **Monday, June 11, 2018**

12:30 – 18:00 h

Short courses at Fraunhofer ISC

19:30 – 22:00 h

ICCG 12<sup>th</sup> welcome reception

### **Tuesday, June 12, 2018**

08:30 – 18:00 h

Conference, plenary session,  
innovation market, exhibition

Evening

Time available for recreation or  
B2B meetings

### **Wednesday, June 13, 2018**

08:30 – 18:00 h

Conference, plenary session,  
innovation market, exhibition

19:30 – 22:00 h

Würzburg night

### **Thursday, June 14, 2018**

08:30 – 18:00 h

Conference, plenary session,  
innovation market,  
panel discussion  
conclusion of conference,  
flag handover

19:00 – 23:00 h

Conference dinner, poster award

### **Friday, June 15, 2018**

09:00 – 14:00 h

Company tours



### Local organizing committee

Director of Fraunhofer ISC: Prof. Dr. G. Sextl  
 Local Chairman: Dr. G. Schottner  
 Local Secretary: S. Herold  
 Local Editorial Chairman: Dr. U. Posset  
 Local Organizing Team: S. Rota, M.-L. Dörffel,  
 K. Wilger, M.Schürmeyer

### International organizing committee:

Chairman: Prof. Dr. G. Bräuer, Fraunhofer IST, *Germany*  
 Secretary: Dr. K. Suzuki, SurFtech Transnational Co., Ltd., *Japan*  
 Vice Chair: Prof. Dr. K. Spee, Solliance / TNO, *The Netherlands*  
 Editorial Chairman: Dr. J. Pütz, Carl Zeiss Smart Optics GmbH, *Germany*

Dr. W. De Bosscher, Soleras Advanced Coatings, *Belgium*  
 Dr. V. Geyer, Scheuten Glassgroup, *The Netherlands*  
 Dr. K. Hartig, Cardinal Glass Industries, *USA*  
 Dr. M. Junghänel, Fraunhofer FEP, *Germany*  
 Prof. Dr. N. Kaiser, Fraunhofer IOF, *Germany*  
 Dr. T. Kälber, SCHOTT AG, *Germany*  
 Mr. K. Kato, Central Glass Co., Ltd., *Japan*  
 Dr. H. M. Kang, KKC, *Korea*  
 Dr. M. Liehr, W&L Coating Systems GmbH, *Germany*  
 Prof. Dr. H. Ye, Zhejiang University, *China*  
 Dr. M. Mennig, mm.nanoconsulting, *Germany*  
 Dr. K. Nagamoto, Lintec Co., Ltd., *Japan*  
 Dr. G. Ockenfuß, Viavi Solutions Inc., *USA*  
 Dr. T. Oyama, Asahi Glass, *Japan*  
 Dr. Y. Saito, Nippon Sheet Glass Co., Ltd., *Japan*  
 Dr. G. Schottner, Fraunhofer ISC, *Germany*  
 Prof. Dr. Y. Shigesato, Aoyama Gakuin University, *Japan*  
 Mr. R.P. Shimshock, MLD Technologies, *USA*  
 Dr. J. Strümpfel, Senior Consultant PVD, *Germany*  
 Prof. Dr. B. Szyszka, Technical University Berlin, *Germany*  
 Dr. R. Trassl, Applied Materials, *Germany*  
 Dr. J. Trube, Verband Deutscher Maschinen- und Anlagenbau e.V., *Germany*  
 Mr. J. Vitkala, Glaston, *Finland*

### Supported by

Deutsche Glastechnische Gesellschaft (DGG), *Germany*  
 Glass Innovation Institute (GII), *Finland*  
 Glass Performance Days (GPD), *Finland*  
 Glass Worldwide, *UK*  
 PLASMA GERMANY, *Germany*  
 Society of Vacuum Coaters (SVC), *USA*



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## General information

### Venue

Congress Center Würzburg (CCW)  
Kranenkai 34, 97070 Würzburg, Germany

### Accommodation

Hotel accommodation is not included in the conference fee. We offer you a wide selection of hotels to choose from. Please complete your reservation online at:

**[www.iccg12.de/location/hotel](http://www.iccg12.de/location/hotel)**

### Conference fees

Please refer to the registration form for more detailed information on prices. Please note that you will receive our early-bird pricing when completing your registration on or before April 15, 2018.

### Conference fees include

List of conference delegates · Lunch & coffee breaks · social events · Proceedings not included

### Exhibitor registration

Please note that you will receive our early-bird pricing when completing your registration on or before December 31, 2017. Please find the application form for exhibitors and further information online at: **[www.iccg12.de/exhibition](http://www.iccg12.de/exhibition)**

### Social program

Located on both banks of the river Main, the city of Würzburg is an inviting venue. The lovely historic center offers ample meeting opportunities to continue discussions outside the conference rooms. During the ICCG 12, two other events are hosted in Würzburg: the 2018 German Landesgartenschau (a State Horticultural Show) and the Mozart Festival. This is your chance to combine three high-class events at the same time. Consider staying an extra day to see it all. For further information please visit:

**[www.iccg12.de/program/social](http://www.iccg12.de/program/social)**



## Your key contacts

### ICCG Secretary

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### Vincentz Network

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### Exhibition/Sponsoring:

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### Conference:

Moritz Schürmeyer  
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## Important deadlines

### Abstract submission

Nov. 30, 2017

### Notification of acceptance

Jan. 22, 2018

### Submission of full papers

Feb. 22, 2018

### Early bird rate exhibition

Dec. 31, 2017

### Early bird rate

Apr. 15, 2018

Register online at:

[www.iccg12.de/registration](http://www.iccg12.de/registration)

