THE 13TH INTERNATIONAL CONFERENCE ON COATINGS ON GLASS AND PLASTICS

Advanced Coatings for Large-Area or High-Volume Products

March 23–26, 2020
Conference Center
Stadthalle Braunschweig, Germany
www.iccg.eu

Organized by
International Organizing Committee of ICCG and ICCG e.V.

Scientific partner
Fraunhofer Institute for Surface Engineering and Thin Films IST
Introduction
Following the first twelve successful ICCG meetings, the 13th ICCG conference will be organized in Braunschweig, Germany, again. The focus of the conference is to bring together scientists, technologists, practitioners and managers from universities, research institutes, coating manufacturers, material and equipment suppliers, and user industries to discuss the latest developments in the fields of large-area glass and plastic coatings.

Conference Topics
The application of coatings is an area which has become extremely important for large-area or high-volume products. Besides glass, plastics are becoming more and more important as substrates for optical and electronic applications. For this reason the conference focuses on the development and application of advanced coatings on both glass and plastics, using a broad and multidisciplinary approach. Topics will include all steps and techniques necessary to realize a final coated product. New markets and trends are another focus of the conference. Finally, the 13th ICCG provides information on the different technologies at a general level for new product designers, as well as technical aspects, safety measures, and environmental and economic factors.

Short Courses
On Monday morning prior to the conference, a range of educational lectures will be given by experts in the field of thin films. The short courses are intended to provide fundamental and technological background knowledge on specific conference topics.

Chairman: Dr. V. Sittinger

Conference Ambiance
Besides a very interesting technological and scientific program, the conference will be held in an ambiance where extensive social contacts will be possible. All lunches, the welcome reception, the industrial evening and the conference dinner are included in the conference fee.
Topics and Preliminary Call for Papers
The organizers of this biennial meeting invite coating scientists, technologists and managers to present papers for the conference.

Conference Program

Introductory Session
Market and Business in the Field of Coatings on Glass and Plastics
Chairmen: Dr. K. Suzuki, Mr. J. Vitkala

Technical Sessions

1 Advanced Vacuum Processes
Chairmen: Prof. Dr. G. Bräuer, Dr. J. Strümpfel

2 Atmospheric Pressure Processes
Chairmen: Dr. G. Schottner, Dr. J. Pütz

3 Film Growth Metrology, Process Control, Simulation
Chairmen: Dr. E. Rudigier-Voigt, 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, Mr. R. Shimshock

6 Architectural and Automotive Glazing
Chairmen: Prof. Dr. S. Oktik, Dr. R. Thielsch

Panel Discussion
Keynote and invited papers will be given as oral presentations. A selection of abstracts of the contributing papers, will be made for the oral and poster presentation in the various sessions.
Preliminary Schedule and Social Events

**Monday, March 23, 2020**
- 08:30 a.m. – 02:15 p.m. Short courses
- 02:30 p.m. – 08:00 p.m. Oral sessions
- 08:00 p.m. – 10:30 p.m. Welcome reception

**Tuesday, March 24, 2020**
- 08:30 a.m. – 08:00 p.m. Oral sessions
- 08:00 p.m. – 10:30 p.m. Industrial evening

**Wednesday, March 25, 2020**
- 08:30 a.m. – 04:00 p.m. Oral sessions
- 07:00 p.m. – 11:00 p.m. Conference dinner

**Thursday, March 26, 2020**
- 08:30 a.m. – 12:00 p.m. Oral sessions
- 12:00 p.m. – 04:00 p.m. Company tours

From Monday to Wednesday lunches will be provided during the conference. Posters will be up from Monday until Thursday. A social program with excursions in Braunschweig and in the surrounding area will be organized for accompanying persons.

**Technical Exhibition and Sponsors**

A full technical trade exhibition will be organized from Monday until Wednesday. Companies and organizations have the opportunity to present their equipment, products, and materials. Several sponsoring possibilities will be mentioned on our web pages. Companies interested in sponsoring the conference or in obtaining exhibition space should contact:

**Contact**

Dr. S. Kondruweit  
phone +49 531 2155-535  
fax +49 531 2155-900  
info@iccg.eu
Tourist Information

Braunschweig, the city of Henry the Lion, has approx. 250,000 inhabitants and is the biggest city located between Hannover and Berlin. It is characterized by an appealing and exciting blend of the past and the present, tradition and progress. Braunschweig is a home of research: Scientists such as Carl Friedrich Gauß or Agnes Pockels are evidence of a long science tradition. Today Braunschweig is one of the most intensive regions for research and development and has the highest density of scientists within the European Union. More than 20,000 young people are studying at the Technische Universität Braunschweig – approx. 10,000 of them in technical fields. Bright minds from Braunschweig do research, teach and work in 27 renowned research institutions and 250 high-tech companies.

Travel Information

By airplane…
Hannover’s international airport is around 70 km away from Braunschweig. Or you can fly directly to Braunschweig’s regional R&D airport which is open to private medium-sized jets.

By train…
The Deutsche Bahn will bring you almost to our front door. The main railway station is just a few minutes walk from the Stadthalle.

By car…
Travelling to the Stadthalle Braunschweig by car is very easy and comfortable. You will find the Stadthalle sign posted throughout the city.

Accommodation and Location

Braunschweig offers a wide range of accommodations with different price levels from guest houses to well-known hotel groups. For booking please contact the Braunschweig Stadtmarketing: congress@braunschweig.de

The ICCG13 will take place at the conference center (Stadthalle) in Braunschweig. It is located close to the city center and offers different conference halls and rooms.

Stadthalle Braunschweig
Leonhardplatz 1
38102 Braunschweig
www.stadthalle-braunschweig.de
Correspondence & Inquiries

All correspondence concerning the 13th ICCG should be addressed to the local organizer:

Fraunhofer Institute for Surface Engineering and Thin Films IST
Dr. S. Kondruweit
Bienroder Weg 54 E, 38108 Braunschweig, Germany
phone +49 531 2155-535, info@iccg.eu, www.iccg.eu

ICCG Secretary
Dr. Koichi Suzuki
SurfTech Transnational Co., Ltd.
1509 Inishia-Shinkawasaki,
3-1, Shinkawasaki, Saiwai-ku, Kawasaki, 212-0032, Japan
Phone +81 50 5532-1220, koichisuzuki@surftech.co.jp

Key Dates

Abstract deadline Oct. 1, 2019
Notification of acceptance Nov. 30, 2019
Submission of full papers Dec. 1, 2019
Early registration Feb. 15, 2020
Normal registration from Feb. 15, 2020
Late registration from Feb. 15, 2020

Visit www.iccg.eu for updated and more detailed information.

Conference fees

<table>
<thead>
<tr>
<th>Registration</th>
<th>till Dec. 1, 2019</th>
<th>till Feb. 15, 2020</th>
<th>from Feb. 15, 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short courses (a, e)</td>
<td>€ 280</td>
<td>€ 300</td>
<td>€ 350</td>
</tr>
<tr>
<td>Full conference (b)</td>
<td>€ 850</td>
<td>€ 975</td>
<td>€ 1100</td>
</tr>
<tr>
<td>Day pass (b)</td>
<td>€ 390</td>
<td>€ 440</td>
<td>€ 490</td>
</tr>
<tr>
<td>Students (Full conference) (b, d)</td>
<td>€ 350</td>
<td>€ 400</td>
<td>€ 450</td>
</tr>
<tr>
<td>Students (Presenting paper) (b, d)</td>
<td>€ 275</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Accompanying person (c, e)</td>
<td>€ 200</td>
<td>€ 225</td>
<td>€ 250</td>
</tr>
</tbody>
</table>

\(a\) Small lunch and coffee break included
\(b\) Lunch, coffee breaks, and social events included
\(c\) Fee includes all social events
\(d\) Short courses included
\(e\) Proceedings not included
Local Organizing Committee - Fraunhofer IST, Germany

Local Chairman: Dr. V. Sittinger
Local Secretary: Dr. S. Kondruweit
Local Editorial Chairman: Dr. A. Pflug

International Organizing Committee

Chairman: Prof. Dr. G. Bräuer
Fraunhofer IST, Germany

Secretary: Dr. K. Suzuki
Consultant/SurfTech, Belgium

Editorial Chairman: Dr. J. Pütz
Carl Zeiss Vision International GmbH, Germany

Program Committee

Mr. D. Bernt, Pilkington Glass RUS&CIS, Russia
Dr. W. De Bosscher, Soleras Advanced Coatings, Belgium
Dr. V. Geyer, Scheuten Glassgroup, The Netherlands
Dr. K. Hartig, Cardinal Glass Industries, USA
Dr. M. Junghähnel, Fraunhofer FEP, Germany
Prof. Dr. N. Kaiser, Fraunhofer IOF, Germany
Dr. H. M. Kang KKC, Korea
Mr. K. Kato, Central Glass Co., Ltd., Japan
Dr. J. Kuncova-Kallio, BioNavis Ltd., Finland
Dr. M. Liehr, W&L Coating Systems GmbH, Germany
Mr. K. Maeshige, Asahi Glass Co., Ltd, Japan
Dr. M. Mennig, mm.nanoconsulting, Germany
Dr. K. Nagamoto, Lintec Co., Ltd., Japan
Dr. G. Ockendorff, Viavi Solutions Inc., USA
Prof. Dr. S. Oktik, Şişecam, Turkey
Mr. M. Robinson
Dr. E. Rudigier-Voigt, Schott AG, Germany
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. Thielisch, Eastman Chemical Co., Germany
Dr. R. Trassl, Applied Materials, Germany
Dr. J. Trube, Verband Deutscher Maschinen- und Anlagenbau e.V., Germany
Mr. J. Vitkala, Glaston Finland Oy, Finland
Dr. S. Wang, Institute of Materials Research and Engineering, Singapore
Prof. Dr. H. Ye, Zhejiang University, China
International Advisory Committee

Prof. Dr. H. Biederman, Charles University, Czech Republic
Dr. M. Geisler, Schmid Vacuum Technology GmbH, Germany
Prof. Dr. H. J. Gläser, Consultant, Germany
Prof. Dr. C. G. Granqvist, Uppsala University, Sweden
Dr. M. Hirata, Nippon Sheet Glass Co., Ltd., Japan
Dr. K. Makita, Central Glass, Japan
Dr. F. J. van Milligen, Viavi Solutions Inc., USA

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

Related Conferences

62nd SVC Annual Technical Conference
April 27 – May 2, 2019
Long Beach Convention Center, Long Beach, California, USA

Glass Performance Days
June 26–28, 2019
Tampere, Finland

Main Sponsor

VON ARDENNE

VON ARDENNE GmbH
Am Hahnweg 8, 01328 Dresden, Germany