



Finally meeting in person
again in Dresden, Germany

**JUNE 24-26
2024**

“Coatings and Surface
Technology in a
Transforming World”

INTERNATIONAL CONFERENCE ON COATINGS ON GLASS AND PLASTICS

Advanced coatings for large-area
and high-volume products

Register now!

Organized by:
International Organizing
Committee of ICCG,
Fraunhofer FEP &
Vincentz Network



Dr. Jörg Pütz
Chairman IOC ICCG



The International Conference on Coatings on Glass and Plastics – ICCG is a leading global conference dedicated to the science and technology of advanced coatings for large-area and high-volume applications.

For more than 25 years now, ICCG has been bringing together people from academia, research institutions, material and equipment suppliers, coating manufacturers, and industrial end users to discuss latest developments and future trends in coating technology and surface engineering. **A forum where science and industry meet!**

Dr. Koichi Suzuki
Secretary IOC ICCG



After the pandemic break, ICCG will be back in the beautiful city of Dresden, Germany, with its rich cultural tradition and outstanding technology clusters for semiconductor manufacturing and surface engineering. ICCG 2024 will be hosted in cooperation with Fraunhofer FEP, a long-standing partner of ICCG.

This year's conference will be focusing on **“Coatings and Surface Technology in a Transforming World”** with a broad range of scientific, technical, and application-oriented presentations and dedicated sessions on sustainability and digital transformation. The technical exhibition will be a showcase for innovation and will offer abundant networking opportunities. Prior to the conference, tutorials will provide deeper insights into technological trends for beginners and experts alike.

We look forward to welcoming you to ICCG 2024 in Dresden!

Dr. Jörg Neidhardt
Local Chairman ICCG
2024



Key reasons to attend:

DISCOVER:

Find out about the latest research results from academia and industry. Be among the first to know!

LEARN:

Learn from the brightest and best in coatings technology as they present their ideas and insights.

SHARE:

Exchange views in numerous networking opportunities on what moves or hinders you in your daily business.

EXPAND YOUR HORIZONS:

Attend ICCG and embrace a world of new ideas and new technologies.

MAIN LOCATION:

MESSE DRESDEN
Hall 3
Messering 6
01067 Dresden
Germany

DATES:

Sunday,
June 23, 2024:
Short Courses
@ Fraunhofer FEP
Dresden

Monday–Wednesday,
June 24–26, 2024:
Conference & Exhibition
@ MESSE DRESDEN, Hall 3

Please note that the pre-conference Short Courses on Sunday and the main conference are **two individual events. Pre-registration is required.**



SUNDAY, June 23

12:00 Welcome Coffee

12:30 – 18:00

Short Courses

Fraunhofer FEP, Dresden, Germany

Short Course 1

**Ultrathin Flexibel Glass –
Production & Processing**

Wiebke Langgemach


Fraunhofer FEP, Germany

Short Course 2

**R2R Processing and
Functionalization**

Dr. Steffen Günther

Fraunhofer FEP, Germany

Coffee Break 

Short Course 3

**Large Area Flash Lamp Annealing
for Thin Films and Substrates**

Dr. habil. Lars Rebohle

Helmholtz-Zentrum

Dresden-Rossendorf, Germany

Short Course 4

**Atomic Layer Deposition Beyond
Wafer Processing**

Dr. Kools Jacques

Encapsulix SAS, France

Short Course 5

**Energetic Growth Control
for Plasma based Thin
Film Synthesis**

Holger Gerdes

Fraunhofer IST, France

18:00 – 20:00

Welcome Reception

MESSE DRESDEN, Germany



MONDAY, June 24

7:30 Registration Counter opens

8:30 – 8:45

Opening & Welcome Address

8:45 – 12:45

Introduction I-II

I: Market insights

Coffee Break



II: Technology Perspectives

12:45 – 14:15 Lunch Break



14:15 – 18:20

**Introduction III
& Session 1**

**III: Sustainability &
Energy Efficiency**

Coffee Break



1: Advanced Vacuum Processes

8:00 – 20:00

Exhibition

18:30 – 20:00

**Poster Session &
After Work Reception**

TUESDAY, June 25

8:00 Registration Counter opens

8:30 – 12:30

Sessions 2 & 3

**2: Atmospheric &
Hybrid Processes**

Coffee Break



**3: Materials, Film Formation,
Simulation, Process Control**

12:30 – 14:00 Lunch Break



14:00 – 18:00

Sessions 4 & 5

**4: Digitally Supported
Coating Technology**

Coffee Break



**5: Processing & Handling
of Thin Glass**

8:00 – 18:00

Exhibition

18:30 – 22:00

**Networking Dinner
& Award Ceremonies**

*Ball- und Brauhaus Watzke
Dresden*



WEDNESDAY, June 26

8:00 Registration Counter opens

8:30 – 12:25

Sessions 6 & 7

**6: Transportation &
Architectural**

Coffee Break



7: Optics, Sensors & Electronics

12:25 – 13:30 Lunch Break



13:30 – 15:15

Session 8

8: Energy Conversion & Storage

**8:00 – 16:00
Exhibition**

15:20 – 18:00

Lab tours in Dresden



SUNDAY, June 23

12:30 – 18:00
Short Courses

18:00 – 20:00
Welcome Reception

Join the welcome reception at MESSE DRESDEN to get to know your peers in a relaxed setting, fostering valuable connections that may lead to collaborations, partnerships, and future opportunities within the business community.



Please note that the pre-conference Short Courses on Sunday and the main conference are **two individual events**. **Pre-registration is required.**

Location:
Fraunhofer FEP
Dresden, Germany
Chair: Jörg Neidhardt

Short Course 1

Ultrathin Flexible Glass – Production & Processing

*Wiebke Langgemach
Fraunhofer FEP, Germany*



Ultrathin glass with thicknesses of $\leq 100 \mu\text{m}$ is a promising substrate in electronic, optical and semiconductor applications. Due to its low thickness and its brittleness, it requires dedicated handling to allow reliable process chains. This short course will provide general information about the manufacturing processes and the ultrathin glass products. It will moreover give an insight into handling and functionalization of ultrathin glass and into its characterization with a special focus on mechanical characterization. The last part will give an overview over applications on the market and approaches in R&D concerning large-area coating of ultrathin glass.

Short Course 2

R2R Processing and Functionalization

*Dr. Steffen Günther
Fraunhofer FEP, Germany*



Roll-to-roll processing offers high throughput and low costs. It is limited by principal to flexible substrates but progress over years widen the material choice from polymers, paper, metal to even glass. There are differences in the processing due to substrate material, environment (vacuum/non-vacuum) and coating (sputtering, evaporation, lacquering)/treatment (corona, plasma, electron beam)/converting technologies (slitting). All these different aspects will be discussed in the short course by means of industrial and R&D examples.

Short Course 3

Large Area Flash Lamp Annealing for Thin Films and Substrates

*Dr. habil. Lars Rebohle
Helmholtz-Zentrum
Dresden-Rossendorf (HZDR)
Germany*



The tutorial gives an introduction to the technology of flash lamp annealing (FLA) and discusses process-relevant issues. It starts with the general design of FLA tools, followed by a discussion about temperature profiles, stress distributions and homogeneity during the process. Furthermore, the integration of the FLA process for roll-to-roll and sheet-to-sheet inline processing in combination with deposition technologies like sputtering, printing or atomic layer deposition will be presented. Finally, application examples for large area technologies will be discussed. The tutorial is a collaborative work between Lars Rebohle of HZDR, Marcel Neubert of Rovak GmbH and Thomas Preußner of Fraunhofer FEP.

Short Course 4

Atomic Layer Deposition Beyond Wafer Processing

*Dr. Jacques Kools
Encapsulix SAS, France*



Atomic Layer Deposition (ALD) is a coating method that utilizes the self limiting character of chemical surface reactions to deposit coatings with atomic precision, excellent uniformity and conformality and often outstanding film quality. The weak point of ALD has traditionally been the low deposition rate, limiting its application to high value added steps, mostly in semiconductor manufacturing. In this tutorial, we will review progress obtained in recent years by innovative reactor architectures, allowing to increase the deposition rates by order of magnitude, thus making ALD economically feasible for use in large area applications.

Short Course 5

Energetic Growth Control for Plasma based Thin Film Synthesis

*Holger Gerdes
Fraunhofer IST, Germany*



Using vacuum deposition, the choice of process parameters can influence the resulting film properties. J. A. Thornton (1977) provided groundbreaking insight with his publication and the proposal of the structure zone model (SZM). The considered parameters are deposition temperature with respect to the melting temperature of the deposited material and the argon pressure. Andre Anders extended this model and introduced the generalized temperature T , kinetic energy E , and a third axis, the effective thickness which could even become negative for high energy, considering sputtering effect of the arriving particles. In this presentation the correlation of the parameters of the SZM and process parameters like process pressure, ionization, additional substrate bias, ... will be discussed. From this correlation design rules for tailoring coating properties can be derived.

Program subject to change.

MONDAY, June 24

7:30 Registration Counter opens
8:30 – 8:45 Opening & Welcome Address

8:00 – 20:00
Exhibition
More info online

Introductory Session I: Market insight

Chairs: Jorma Vitkala, Sener Optik

8:45 – 9:25 **When Digital Meets Glass, New Worlds Open Up!**
Keynote
Michael Robinson, Italy, Robinson Design

9:25 – 10:05 **Trends in Large Area Coating for Glazing Applications**
Keynote
Dr. Paul C. Mogensen, France, Saint-Gobain Glass France, Glass R+D

10:05 – 10:35 Coffee Break ☕

Introductory Session II: Technology Perspectives

Chairs: Koichi Suzuki, Michael Robinson

10:35 – 11:15 **Flat Glass Sector and Value-Added Coatings Update**
Keynote
Prof. Dr. Sener Optik, Türkiye, Şişecam

11:15 – 12:05 **Global Architectural Glass Trends**
Keynote
*Jorma Vitkala, Finland
Vitkala Association / Former Chairman of GPD*

12:05 – 12:45 **Advancements in Optical Interference Filters for Optical Sensing Applications**
Keynote
Dr. Georg Ockenfuss, USA, Viavi Solutions

12:45 – 14:15 Lunch Break 🍴



Introductory Session III: Sustainability & Energy Efficiency

Chairs: Bernd Szyszka, Günter Bräuer

14:15 – 14:55 **The Catlab Project: Ultra Thin-Film Based Catalysis for Green Hydrogen and Fuels**
Keynote
Prof. Dr. Rutger Schlatmann, Germany, Helmholtz-Zentrum Berlin

14:55 – 15:35 **tbc**
Keynote
Maria Roos, Germany, German Solar Association BSW-Solar

15:35 – 16:15 **Coating Technologies for Energy Conversion and Storage: A Perspective on the Past and Future**
Keynote
Prof. Dr. Elizabeth von Hauff, Germany, Fraunhofer FEP

16:15 – 16:45 Coffee Break ☕

Session 1: Advanced Vacuum Processes

Chairs: Volker Sittering, Tetsuhide Shimizu

16:45 – 17:15 **Recent Developments in Ion Beam Sputtering**
Keynote
*Dr. Carsten Bundesmann, Germany
Leibniz-Institut für Oberflächenmodifizierung e.V.*

17:15 – 17:40 **Scalable Deposition of Thermochromic VO₂-based Coatings for Energy-saving Smart Windows**
Invited
Prof. Jaroslav Vlček, Czech Republic, University of West Bohemia

17:40 – 18:00 **Large Area Antipathogenic Surfaces based on Sputtered TiO₂ Thin Films and Inline Flash Lamp Annealing**
Dr. Michael Hoffmann, Germany, Fraunhofer FEP

18:00 – 18:20 **Better 'Understanding of the Vacuum' to Improve Film Quality and Process Control**
Dermot Monaghan, United Kingdom, Gencoa Ltd.

18:30 – 20:00 **Poster Session & After Work Reception**

Location:
MESSE DRESDEN
Hall 3
Messering 6
01067 Dresden
Germany



TUESDAY, June 25

8:00 Registration Counter opens

Session 2: Atmospheric & Hybrid Processes

Chairs: Jörg Pütz, Christian Rabe

8:30 – 9:00 **Decoration of Architectural Glass Using Inkjet Printing**

Keynote

Dr. Dieter Holzinger, Austria
TIGER Coatings GmbH & Co.KG

9:00 – 9:25 **Nanoparticle-based Solar Control Films**

Invited


Killilea Niall, Germany, Amperial Technologies GmbH

9:25 – 9:45 **Advancements of Electrochromic Films for Energy-Efficient Glass Facades (FLEX-G 4.0 Project)**

Kira Grefkes, Germany, Coatema Coating Machinery GmbH

9:45 – 10:05 **Directly Sprayable Anti-reflection Coatings for Deposition on Hot Glass Substrates**

Burak Okan, Türkiye, Şişecam Science Technology and Design Center

10:15 – 10:45 Coffee Break 

Session 3: Materials, Film Formation, Simulation, Process Control

Chairs: Holger Pröhl, Shijie Wang

10:35 – 11:05 **From Optical Optimization by Genetic Algorithm to Multiscale Thin Film Deposition Modelling: Application to Low-E Glass and Head-up Display**

Keynote

Prof. Stephan Lucas, Belgium
University of Namur, Innovative Coating Solutions (ICS)

11:05 – 11:30 **Advanced Optical In-line Monitoring: Hyperspectral Imaging and Beyond**

Invited

Dr. Jonas Golde, Germany
Fraunhofer-Institut für Werkstoff- und Strahltechnik IWS

11:30 – 11:50 **Plasma Diagnostics for Enhanced Coating Processes**

Anshu Verma, Ireland, Impedans Ltd.

11:50 – 12:10 **Thin Film Analysis by Variable Angle Spectroscopy in the Infrared**

Peter Van Nijnatten, The Netherlands, OMT Solutions BV

12:10 – 12:30 **State of the Art Optical Thin Film Analyses for Industrial Applications**

René Feder, Germany, Fraunhofer IMWS

12:30 – 14:00 **Lunch Break** 

Session 4: Digitally Supported Coating Technology

Chairs: Marcus Frank, Ric Shimshock

14:00 – 14:30 **Digital Transformation in Thin Film Deposition**

Keynote

Dr. Holger Gerdes, Germany
Fraunhofer Inst. for Surface Engineering a. Thin Films IST

14:30 – 14:55 **Optical Coatings Computer-aided Production**

Invited

Dr. Michael Trubetskov, Germany
Max Planck Institute of Quantum Optics/OTF Studio GmbH

14:55 – 15:15 **Advancing Glass Coating Quality Through In-Line Color Control**

Michael Saeger, Switzerland, X-Rite Pantone

15:15 – 15:35 **Digital Solutions for Efficient and Sustainable Large Area Coating**

Anja Kalesse, Germany, Von Ardenne GmbH

15:35 – 16:05 Coffee Break 

Session 5: Processing & Handling of Thin Glass

Chairs: Jörg Neidhardt, Eveline Rudigier-Voigt

16:05 – 16:35 **Highly Flexible Displays: Challenges & Opportunities**

Keynote

Prof. Dr. Karlheinz Blankenbach, Germany
Pforzheim University.

16:35 – 17:00 **Damage Mechanisms in Glass**

Invited

Prof. Dr. Edda Rädlein, Germany, TU Ilmenau

17:00 – 17:25 **Glass Panel based Packaging and Applications in High Performance Computing and 5G Telecommunications**

Invited

Dr. Martin Letz, Germany, Schott AG

17:25 – 17:45 **Mechanical Characterization for Reliable Handling and Functionalization of Ultrathin Flexible Glass**

Wiebke Langgemach, Germany, Fraunhofer FEP

17:45 – 18:05 **Laser Polishing – A Way of Influencing Glass Surfaces**

Thomas Schmidt, Germany, IFW Jena

18:10 **Bus Shuttle**

from MESSE DRESDEN to Dinner Location

18:30 – 22:00 **Networking Dinner & Award Ceremonies**

Ball- und Brauhaus Watzke, Dresden 

Location:
MESSE DRESDEN
Hall 3
Messering 6
01067 Dresden
Germany



Program
subject to change.



WEDNESDAY, June 26

8:00 Registration Counter opens

Session 6: Transportation & Architectural

Chairs: Wilmert DeBosscher, Andriy Romanyuk

- 8:30 – 9:00 **Physical Interpretation of Role of Optical Constants in Thermal Insulation and Heat Shielding Coating**
Keynote
Dr. Odaka Hidefumi, Singapore, AGC Asia Pacific Pte Ltd.
- 9:00 – 9:30 **Context is Everything: How Visual Environments and Lighting Influence Glass Appearance and Bird Deterrent Efficacy**
Invited
Alexander Sobolev, USA
Guardian Industries Science and Technology Center (STC)
- 9:30 – 9:55 **How Automotive Industry is challenging Coating Technologies for Display Cover Glasses**
Invited
Dr. Matthias Schiller, Germany, FLABEG Automotive Germany GmbH
- 9:55 – 10:15 **Scale up of Vanadium Dioxide-Based Thermochromic Coating Deposition for Large Area**
Dr. Stephan Ulrich, Germany, Fraunhofer IST
- 10:15 – 10:35 **Thermochromic Smart Window for Optimized Solar Heat Management: From Lab to Pilot-Scale Production**
Dr Daniel Mann, The Netherlands, TNO | Brightlands Materials Center
- 10:30 – 11:05 Coffee Break 

Session 7: Optics, Sensors & Electronics

Chairs: Georg Ockenfuss, Manuela Junghänel

- 11:05 – 11:40 **Refractive Index Modification of Glass Surfaces for Datacom, Sensing and Quantum Packaging**
Keynote
Julian Schwietering, Germany, Fraunhofer IZM
- 11:40 – 12:05 **Enhancing Augmented Reality: Flexible Production of Slanted Surface Relief Gratings (SRG) with Ion Beam Technology**
Invited
Dr. Mandy Göring, Germany, scia Systems GmbH
- 12:05 – 12:25 **Sputtered Optical Coatings for Sensor Applications in Adaptive Automotive Headlights**
Dr. Kerstin Täschner, Germany, Fraunhofer FEP
- 12:25 – 13:30 **Lunch Break** 

Session 8: Energy Conversion & Storage

Chairs: Volker Geyer, Harmen Rooms

- 13:30 – 14:00 **Organic and Perovskite Solar Cells – Is the Next Generation of PV Produced by Solution Coating?**
Keynote
Prof. Dr. Christoph J. Barbec, Germany
Friedrich-Alexander-Universität, Erlangen-Nuremberg
- 14:00 – 14:25 **R2R Methods for Solid-state Battery Manufacturing**
Invited
D.Sc. (Tech.) Marja Viikman, Finland
VTT Technical Research Centre of Finland Ltd
- 14:25 – 14:50 **Organic Solar Cells Made in Vacuum: From Lab Cells to Large Scale Roll-to-Roll Production**
Invited
Dr. Karsten Walzer, Germany, Heliatek
- 14:50 – 15:15 **Bridging the Gap: Scalable Research in Photovoltaics from Lab to Industry**
Invited
César Omar Ramírez Quiroz, Denmark, FOM Technologies

Closing remarks

15:20 – 18:00 **Lab tours in Dresden**

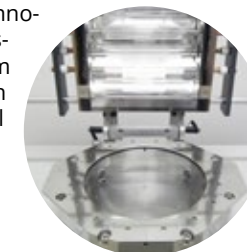
Lab tours:

Tour 1: Institutes and Labs of Fraunhofer FEP

Fraunhofer FEP, Dresden, focuses on innovative solutions for surface modification & organic electronics. Core competencies: electron beam, roll-to-roll tech, precision coating. Offers R&D, pilot manufacturing for surface treatment, sensors, optical filters. 6 business units based on materials & synergies.

Tour 2: Institutes and Labs of Helmholtz-Zentrum Dresden Rossendorf

The lab tour presents the experimental possibilities of the Innovation Lab blitzlab and the Helmholtz-Zentrum Dresden Rossendorf to modify and process materials for various thin film applications. blitzlab guides through the lab and shows flash lamp annealing tools in operation including a roll-to-roll tool that combines inkjet print with flash lamp annealing.
Info: www.hzdr.de/en



Bus shuttles to the companies and return to city center at 18:00 hrs will be provided.

Location:
MESSE DRESDEN
Hall 3
Messering 6
01067 Dresden
Germany



Program subject to change.

MONDAY, June 24

18:30 – 20:00

Poster Session & After work reception

Our scientific poster session serves as a dynamic platform for knowledge exchange, networking, collaboration, and professional development, contributing to the advancement of research and innovation in the global business community of coatings on glass and plastics.

Enjoy fruitful conversations with your peers and aspiring colleagues while relaxing with some snacks and drinks.



Location:
MESSE DRESDEN
Hall 3
Messering 6
01067 Dresden
Germany

*Dr. Shoji Kaneko
Japan
SPD Laboratory*

Poster 1

Intermittent Spray Pyrolysis Deposition for Thin-Film Makings Including FTO on Glass Substrate

*Parisa Naghadian
Moghaddam, Slovakia
FunGlass
Alexander Dubčeka
University of Trenčín*

Poster 2

Synthesis of polyborosilazane to fabricate glass-ceramic coating with high thermal stability

*Dr. Philipp Dürrenfeld
Germany
Advanced Energy Industries*

Poster 3

Low-frequency pulsed-DC sputtering of titanium dioxide thin films

*Yasin Bayram
Türkiye
SISECAM Science Technology
and Design Center*

Poster 4

Multilayered Transparent Thin Film Coatings for Enhanced Antibacterial Effect

*Michael Saeger
Switzerland
X-Rite Pantone*

Poster 5

Enhancing Color Control in Coil Coating Production: The Significance of Inline Color Measurement

*Dr. Patrick Mccarthy
United Kingdom
Gencoa Ltd*

Poster 6

The effects of non-metal doping on the properties of DLC coatings produced using magnetron sputtering

*Lara Maroto Diaz
United Kingdom
Gencoa Ltd*

Poster 7

Outgassing in vacuum processes: problems, sensing and control

*Jonathan Clapp
United States
Microban International*

Poster 8

Advancements in Antimicrobial Coatings for Glass

*Kieran Massey
United Kingdom
Gencoa Ltd*

Poster 9

A Robust RPOES Leak Detector Using Argon Gas

*Dr. Marlous Hofmans
Netherlands
OMT Solutions BV*

Poster 10

Intercomparison of normal emissivity measurements on coated float glass

*Dr. Steffen Günther
Germany
Fraunhofer FEP*

Poster 11

Abrasion resistant coatings on flexible substrates using vacuum and non-vacuum-based technologies

*Jabir Ismaeili, Türkiye
Kanat Paints and
Coatings Co. | Ege University*

Poster 12

Development of An Enhanced Alcohol Resistance Acrylic-Based Coating

*Thomas Bretz
Germany
Intrinex*

Poster 13

“Coala”: A versatile platform for single- and multilayer COated Layer Analysis

*Dr. Chintankumar Patel
Germany
BASF SE*

Poster 14

Curtailling Formaldehyde in Waterborne Organic Coatings for Glass

*Lars Rebohle
Germany
HZDR, Germany*

Poster 15

Inkjet printing of functional thin films activated by ms-range flash lamp annealing



CONTACT

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E-Mail: info@iccg2024.org
www.iccg2024.org

LOCATION

MESE DRESDEN
Hall 3
Messering 6
01067 Dresden, Germany

IOC – International Organizing Committee

Chairman: Dr. Jörg Pütz, Carl Zeiss Vision International GmbH, Germany
Secretary: Dr. Koichi Suzuki, SurFtech Transnational Co., Ltd., Japan
Vice Chairman: Dr. Georg Ockenfuss, Viavi Solutions Inc., USA

Prof. Dr. Günter Bräuer, Fraunhofer IST (retired), Germany
Dr. Wilmert De Bosscher, Soleras Advanced Coatings, Belgium
Dr. Volker Geyer, Scheuten Glassgroup, The Netherlands
Dr. Klaus Hartig, Cardinal Glass Industries, USA
Dr. Manuela Junghähnel, Fraunhofer IZM (ASSID), Germany
Kazuhiko Kato, Mitsubishi Materials Corp., Japan
Kazunobu Maeshige, Asahi Glass Co., Ltd, Japan
Dr. Jörg Neidhardt, Fraunhofer FEP, Germany
Satoshi Naganawa, Lintec Co., Ltd., Japan
Prof. Dr. Sener Oktik, Şişecam, Turkey
Dr. Holger Pröhl, von Ardenne GmbH, Germany
Dr. Christian Rabe, Fraunhofer IAP, Germany
Michael Robinson, Consultant, Italy
Prof. Dr. Andrij Romanyuk, Glas Trösch AG, Switzerland
Harmen Rooms, Coatema Coating Machinery GmbH, Germany
Dr. Eveline Rudigier-Voigt, Schott AG, Germany
Mizuho Matsuda, Nippon Sheet Glass Co., Ltd., Japan
Prof. Dr. Yuzo Shigesato, Aoyama Gakuin University, Japan
Prof. Dr. Tetsuhide Shimizu, Tokyo Metropolitan University, Japan
Ric P. Shimshock, MLD Technologies, LLC, USA
Dr. Volker Sittinger, Fraunhofer IST, Germany
Prof. Dr. Bernd Szyszka, Technical University Berlin, Germany
Jorma Vitkala, Vitkala Association Oy, Finland
Dr. Shijie Wang, Institute of Materials Research and Engineering, Singapore
Prof. Dr. Hui Ye, Zhejiang University, China

ICCG e.V. International Council on Coatings on Glass e.V.

President:
Prof. Dr. Bernd Szyszka
Technical University Berlin
Germany

Vice-President:
Dr. Koichi Suzuki
SurFtech Transnational Co., Ltd.
Japan

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