

# 1<sup>st</sup> CALL FOR PAPERS

26<sup>TH</sup> INTERNATIONAL CONGRESS ON GLASS (ICG2022)

BERLIN – GERMANY – July 3-8, 2022

Abstracts due November 15, 2021

<http://icg2022.hvg-dgg.de>



**HVG-DGG**

Service and Research in the Field of Glass



**Conference Venue: Hotel Berlin Central District, Stauffenbergstraße 26, 10785 Berlin, Germany**

Following the first joint meeting of German and British Societies of Glass Technology (DGG and SGT) in Aachen, Germany (1928), the International Commission on Glass (ICG) was set on stage in Venice, 1933, to celebrate the cosmopolitan spirit that has always been at the heart of our community of scientists, technologists, engineers and, sometimes, artists. 2022 will mark the 100<sup>th</sup> anniversary of the foundation of the DGG, an excellent occasion and a high motivation to organize and host the 26<sup>th</sup> International Congress on Glass (ICG2022).

ICG2022 provides 48 technical sessions grouped in VIII symposia. The congress includes the 13<sup>th</sup> International Conference on Advances in Fusion and Processing of Glass (AFP2022)...

*...a valuable opportunity for glass scientists and technologists.*

## **ICG2022 Congress President**

**Joachim Deubener**

Clausthal University of Technology

[joachim.deubener@tu-clausthal.de](mailto:joachim.deubener@tu-clausthal.de)

## **ICG2022 Program Chair**

**Lothar Wondraczek**

University of Jena

[lothar.wondraczek@uni-jena.de](mailto:lothar.wondraczek@uni-jena.de)

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		<b>Chairperson(s)</b>
<b>Symposium I</b>	<b>Plenary Session “Glasses for a Sustainable World” United Nations International Year of Glass</b>	Joachim Deubener Alicia Duran Lothar Wondraczek

<b>TOPIC A</b>	<b>Fundamental and Basic Glass Science</b>	
<b>Symposium II</b>  <i>Sessions</i>	<b>Chemistry and the Structure of Glasses</b>  S1 Silicate Glasses and Melts S2 Phosphate Glasses S3 Borate Glasses S4 Chalcogenide and Halide Glasses S5 Metallic Glasses S6 Hybrid Glasses and Emerging Glass Chemistries S7 Volatiles in Glasses S8 Sol/Gel Chemistry and Wet-Chemical Glass Deposition S9 Open / Emerging Topic Session	Delia Brauer Daniel Neuville
<b>Symposium III</b>  <i>Sessions</i>	<b>Glass Physics, Properties and Characterization</b>  P1 Glass Transition and Relaxation P2 Crystallisation and Glass-Ceramics P3 Optical Properties P4 Mechanical Properties P5 Vibrations, Thermal Properties and Charge Transport P6 Glass Surfaces and Durability P7 Techniques for Glass Structure Elucidation P8 Glass under Extreme Conditions P9 Open / Emerging Topic Session	Dominique de Ligny Mandoka Ona Liping Huang
<b>Symposium IV</b>  <i>Sessions</i>	<b>Computational Glass Science</b>  C1 Computer Glasses, Statistical Mechanics and Model Systems C2 Machine Learning and Accelerated Glass Discovery C3 Rheology Simulations and Transient States	Jürgen Horbach Srikanth Sastry Walter Kob

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<b>TOPIC B</b>	<b>Advances in Fusion and Processing of Glasses - AFGP</b>	
<b>Symposium V</b>	<b>Sustainable Glass Production</b>	Christian Roos Erik Muijsenberg Manoj Choudary
<i>Sessions</i>	M1 Hydrogen M2 Energy Efficiency M3 Emissions and Environmental Issues M4 Gases in Glass M5 Glass Melting Operations, Process Automation and Industry 4.0 M6 Refractory Materials M7 Furnace Design	
<b>Symposium VI</b>	<b>Glass Forming, Post-Processing and Quality Control</b>	Sindy Fuhrmann Harald Zimmermann Jochen Alkemper
<i>Sessions</i>	F1 Forming Operations and Quality Control for Flat, Container and Specialty glasses F2 Sintering, Powder-based Processes and Additive Manufacture F3 Machining, Polishing, Cutting, Laser Processing F4 Strengthening Technologies	
<b>Symposium VII</b>	<b>Recycling and Raw Materials</b>	Edda Rädlein Enrico Bernardo Dusan Galusek
<i>Sessions</i>	R1 Glass Recycling R2 Raw Materials R3 Geopolymers, Slags and Alternative Glass Products	
<b>Symposium VIII</b>	<b>Emerging Glass Applications and Application-related Challenges</b>	Aldo Boccaccini Jianrong Qiu Akio Koike Lothar Wondraczek
<i>Sessions</i>	A01 Glasses in Healthcare A02 Glasses in Energy and Environmental Technologies A03 Waste Vitrification A04 Pharma Packaging A05 Glass Fibers for Reinforcement and Insulation A06 Photonic Glasses and Optical Fibres A07 Coatings on Glass A08 Structural Glasses A09 Electronic and Magnetic Materials A10 Open / Emerging Topic Session	

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<b>TOPIC C</b>	<b>Glass &amp; Society</b>	
<b>Symposium IX</b> <i>Sessions</i>	<b>Culture, Heritage and Education</b> H1 Teaching Glasses H2 Art, History and Conservation H3 Archeometry	
<b>Symposium X</b>	<b>Centennial of the German Society of Glass Science and Technology – 100 Years of DGG</b>	Joachim Deubener Thomas Jüngling
<b>Symposium XI</b>	<b>Glass Greats 2019-2022</b>	