The 12th International Symposium on Crystallization in Glasses and Liquids (Crystallization 2017) was celebrated in the historic city of Segovia, Spain. The web of the event is still available at http://secv.es/crystallization2017/. The conference venue was the Auditorium in the Parador de Segovia. The Spanish Society of Ceramics and Glass (SECV) had the pleasure and honour to host this conference, which is the twelfth in a series. Previous versions have been held in the United States in 1960, 1971, 1981, 1992 and 2006, in Brazil 1996 and 2009, in Liechtenstein in 2000, in the UK in 2003, in Germany in 2012, and in Japan in 2015. Over the years, these bi- or triennial meetings have established a strong international reputation for disseminating the state-of-the-art in crystallization research, from fundamental aspects to innovative glass-ceramic products. The Segovia meeting covered the areas of simulation and theory, formation, structure, properties, and applications of crystallized glasses. The symposium is always organized by a member of the ICG Technical Committee 07 (TC07), the thematic of which is Crystallization in Glasses and Glass-ceramics. More information about this technical committee, and also the ICG, can be found at http://www.icglass.org/.

The number of participants in the conference was 127 and the scientific programme comprised 133 contributions, 57 lectures (including 11 invited talks) and 76 poster presentations. The international nature of the symposium was emphasized by invited speakers from Brazil, France, Germany, Liechtenstein, China, Russia, USA, Italy and Japan. Over all, lectures and posters were presented by representatives from nineteen different countries. The symposium provided excellent opportunities for facilitating discussion among experts focused on:

- Fundamental approaches to nucleation and crystal growth in glasses and liquids (the interplay of theory, modelling and experiment)
- Experimental studies (compositional and structural influences)
- Advanced methods, techniques and characterization tools (in-situ, real time)
- Role of nucleation agents (halogens, rare-earth and transition-metal oxides, noble metals)
- Properties of glass-ceramics (thermal, mechanical, electrical, optical, chemical)
Microstructure/property relationships in glass-ceramics (strength, transparency, chemical resistance)

Novel processing techniques (laser sintering, sol-gel, field-induced nucleation…)

Commercial and new glass-ceramic applications (appliances, armour, bio-medical, dental, optical, seals)

Crystallization phenomena in related materials (metallic glasses, polymer glasses, natural glasses)

We had the honour of welcoming the following 11 invited speakers:

- Prof. Christian Rüssel, Otto Schott Institute, Jena University (Germany),
- Prof. Juern W. P. Schmelzer, Rostock University (Germany),
- Prof. Alexander S. Abyzov, NSC Kharkov Institute of Physics and Technology (Ukraine),
- Prof. Wolfram Hölland, Ivoclar Vivadent AG (Liechtenstein),
- Prof. Qiu Jianrong, Zhejiang University (China),
- Prof. Himashu Jain, Lehigh University (USA),
- Prof. Francisco Serbena, UEPG (Brazil),
- Prof. Cristina Siligardi, DIEF, University of Modena and Reggio Emilia (Italy),

Oral presentation awardees: Susanne Krüger (left) and Mariona Tarrago (right) together with Alicia Durán (conference vice-chair) and María Jesús Pascual (conference chair).

TC07 members in their meeting in Parador de Segovia. From left to right: Wolfram Hölland (TC07 vice-chair), María Jesús Pascual, Signo Nakane, Joachim Deubener (TC07 chair), Tsuyoshi Honma, Edgar Zanotto, Mark Davis, Ina Mitra, Shifeng Zhou, Ralf Müller, Takayuki Komatsu, Philippe Pradeau and Markus Rampf.

Prof. Wolfram Hölland (TC07 vice-chair) during his opening invited talk in Crystallization 2017 “39 years glass-ceramic research: from fundamentals to application”.

- Prof. Tsuyoshi Honma, Nagaoka University of Technology (Japan),
- Dr. Mathieu Allix, CEMHTI laboratory (France) and
- Dr. Araceli de Pablos-Martín, IMWS, Halle (Germany)

Two oral presentations and four posters presentations were awarded with a certificate and a gift (100 euros) to presenters below 40 years old. The oral awards went to Susanne Krüger from Clausthal University (Germany) for her presentation “How to take into account the stochastic nature of nucleation in constructing a time-temperature-transformation diagram?” and Mariona Tarragó from Barcelona University (Spain) for her presentation “Simulation of vitrification of sewage sludge using a Ca-doped basalt”. The four posters awards went to Mikiya Kotava (Japan), Carsten Blaess (Germany), Tina Waurischk (Germany) and Laura Briese (Germany).

Selected papers (15-20) will be published in a special issue of the Journal of Non-Crystalline Solids (JNCS). The submission deadline is 1st October 2017 and acceptance deadline is expected for 1st February 2018. All manuscripts will be peer reviewed and final decisions to publish made by this date. Invited speakers have been especially encouraged to submit their contributions to this special issue.

The participants enjoyed a guided visit to the Royal Glass Factory of La Granja National Centre of Glass and La Granja Gardens. We wish to thank the support of the Fundación Centro Nacional del Vidrio (FCNV, La Granja). We also thank the support provided by the company Netzch and the Segovia Convention Bureau. Finally, we are deeply grateful to the ICG and the TC07 project for approval of the conference and the allocated financial assistance.

Most of the attendees described Crystallization 2017 as a great success, due to the high quality of the presentations and to the friendly and inspiring atmosphere among the participants. We wish to thank, therefore, the members of the International Advisory Board and the Technical Committee TC07 of the ICG for their work in putting this exciting program together and the Local Organizing Committee as well as the Ceramics and Glass Institute (CSIC) for the hard work and support in the organization.

Before starting the congress, TC07 celebrated a business meeting on Sunday 10th September in which the next conference locations were decided as 2020 (France) and 2023 (China). The new chair (Mark Davis) and vice-chair (Ralf Müller) for TC07 were elected to act as from 2018.

On behalf of the organizing committee,

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