

Report

17th International Conference on Crystal Growth and Epitaxy (ICCGE-17)

The 17th International Conference on Crystal Growth and Epitaxy (ICCGE-17) took place during August 11-17, 2013 in two buildings of University of Warsaw campus in Warsaw, Krakowskie Przedmieście 28: Auditorium Maximum and Old Library. The only exception was the Conference Banquet which was held in Main Building of Warsaw University of Technology in Warsaw, Pl. Politechniki 1 on August 14th 2013. ICCGE-17 continued the series of earlier twin Conferences International Conferences on Crystal Growth (IOCG) and International Conference on Vapor Phase Epitaxy (ICVPE). Following a recent decision of IOCG, these two Conferences were merged into International Conferences on Crystal Growth and Epitaxy. All details of the Conference are available at the Conference Web Pages: <http://science24.com/event/iccge17/>

The Conference was chaired by Stanislaw Krukowski (Poland) and Roberto Fornari (Germany) and jointly organized by the Polish Society for Crystal Growth (PTWK - Poland), Deutsche Gesellschaft fuer Kristallwachstum und Kristallzuechtung (DGKK - Germany), University of Warsaw (UW - Poland), Institute of High Pressure Physics of Polish Academy of Sciences (IWC PAN - Poland), Institute of Physics of Polish Academy of Sciences (IF PAN - Poland) and Institute of Electronic Materials Technology (ITME - Poland). The secretarial work for the Conference was carried out by Konrad Sakowski and Dorota Pawlak.

The Conference scientific program consisted of 19 Sessions, including 10 General Sessions and 9 Topical Sessions:

- [G01: Fundamentals and Modeling](#)
- [G02: Bulk crystal growth](#)
- [G03: Biological and Biogenic Crystallization](#)
- [G04: Industrial crystallization](#)
- [G05: Characterization](#)
- [G06: In situ monitoring, new equipment and technologies](#)
- [G07: Defect formation/elimination](#)
- [G08: Nanomaterials and low dimensional structures](#)
- [G09: Surfaces and interfaces](#)
- [G10: Thin film and epitaxial growth](#)
- [T01: Intermetallic and highly correlated electron materials](#)
- [T02: Materials for spintronics](#)
- [T03: Wide bandgap semiconductors](#)
- [T04: Compound semiconductors](#)
- [T05: Si/Ge for microelectronics and photovoltaics](#)
- [T06: Oxides and halides including laser and nonlinear optical applications](#)
- [T07: Novel materials and structures](#)
- [T08: External fields, microgravity](#)
- [T09: Late news session](#)

Each Session was coordinated by two chairpersons, with the exception of the three Sessions: G03, G04 and G07 which had one additional chairperson appointed by the International Union of Crystallography (IUCR). This was done to strengthen the relations between IOCG and IUCR in view of the Intern. Year of Crystallography. The Program Committee included all session coordinators and was chaired by Zbigniew R. Zytkiewicz (Poland) and Jochen Friedrich (Germany).

The Conference Scientific Program consisted of 9 plenary lectures, 75 invited lectures and 399 oral contributions, presented in 6 parallel sessions. The oral and poster presentations were selected from total 895 submitted abstracts while 686 delegates (484 regular participants and 202 students) actually participated in the Conference. The largest delegations were from Japan (organizer of the next ICCGE-18

conference), Poland, China and Germany. The Conference was kindly sponsored by the following institutions and companies:

- Polish Ministry of Science and Higher Education
- International Union of Crystallography (IUCr)
- Elsevier Science Ltd.
- CrystAl-N GmbH
- EU 7th Framework Programme, grant REGPOT-CT-2013-316014 (EagLE)
- K-Space Associates Inc.

Given the positive financial balance of the conference, the organizers donated 6850 Euro to IOCG.

All local services including organization of lectures, lunches, excursions, use of University of Warsaw facilities, excursions, etc. were taken care of by the Local Committee chaired by Roman Stepniewski. The social activities included a get-together party, banquet, conference excursion and the accompanying person program. The banquet was organized by Dorota Pawlak; the excursions and accompanying person program were organized by Agnieszka Grabias. The logistic service of the Conference was provided by Mazurkas Travel Biuro Podróży Ltd. The lights and other scenography services were provided by Wima Convention. Hosting of the Conference Home Page, other electronic services and some part of the financial service were provided by Pielaszek Research Inc. The organizers express their gratitude to these companies for their assistance in organization of the Conference. Support for financial operations and tenders and e-mail service was provided by Institute of High Pressure Physics PAS (IWC PAN).

Following the decision of the IOCG Award Committees, the Frank Prize was awarded to Prof. Katsuo Tsukamoto from Tohoku University, Sendai, Japan, the Laudise Prize to Prof. Chuang-Tian Chen from the Technical Institute of Physics and Chemistry of the Chinese Academy of Sciences, Beijing, China and the Schieber Prize to Prof. Yuki Kimura from Tohoku University, Sendai, Japan. The award ceremony took place during the official banquet.

The Conference Book of Abstracts and Scientific Program were prepared by Marta Sobanska and Zbigniew R. Zykiewicz. Both electronic and printed versions were distributed to all conference participants. The Conference Proceedings will be published by Elsevier Science as special issue of Journal of Crystal Growth, as traditionally done for previous ICCG Conferences. Keshra Sangwal (Poland), Ewa Talik (Poland), Peter Gille (Germany) and Wolfram Miller (Germany) will act as guest editors for the Proceedings of ICCGE-17.

15th International Summer School on Crystal Growth (ISSCG-15)

Traditionally the Intern. Conference is coupled to the International Summer School on Crystal Growth (ISSCG). This time the 15th edition of ISSCG was organized at the Gdansk University of Technology (GUT) campus during 4-10 August 2013. The organization was in the hands of the Polish Society for Crystal Growth (PTWK) and Deutsche Gesellschaft fuer Kristallwachstum und Kristallzuechtung (DGKK). ISSCG-15 was chaired by Ewa Talik (Poland), Wojciech Sadowski (Poland), Elke Meissner (Germany) and Peter Wellmann (Germany). The program included 19 lectures held by internationally recognized experts in different fields of theoretical and experimental crystal growth.

Stanislaw Krukowski Roberto Fornari
Co-Chairmen of ICCGE-17

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Social Program

Agnieszka Grabias (Poland)

Book of abstracts

Marta Sobanska (Poland)

Website

Konrad Sakowski (Poland)

Local staff coordination

Pawel Kempisty (Poland)

Pawel Strak (Poland)

Transportation

Mirosław Wróblewski (Poland)

Country of origin of participants

Japan	138
Poland	110
China	74
Germany	73
Russian Federation	59
United States	31
Ukraine	17
Korea, South	17
Taiwan	17
United Kingdom	16
France	15
India	15
Spain	9
Romania	9
Italy	8
Belgium	7
Latvia	7
Netherlands	6
Canada	5
Switzerland	5
Czech Republic	4
Australia	4
Algeria	4
Slovakia	3
Saudi Arabia	3
Austria	3
Brazil	2
Norway	2
Singapore	2
Denmark	2
Finland	2
Israel	2
Thailand	2
South Africa	2
Turkey	1
Hungary	1
Armenia	1
Kazakhstan	1
Mexico	1
Sweden	1
Belarus	1
Estonia	1
Uruguay	1
Malaysia	1
Greece	1