

Invitation

On behalf of the German Association of Crystal Growth DGKK and Czechoslovak Association of Crystal Growth CSACG we cordially invite you to the 1st German Czechoslovak Conference on Crystal Growth GCCCG-1 / DKT2016. GCCCG-1 / DKT2016 will take place from March 16 to 18, 2016 in Dresden, Saxony.

GCCCG-1 / DKT2016 continues the tradition of DGKK to hold bi- or tri-national crystal growth conferences. In the past there have been five jointly organized conferences with the Netherlands (1974, 1975, 1981, 1985, 1999), four with Switzerland (1972, 1974, 1975, 1982), two with Italy (1989, 1997), two with United Kingdom (1981, 1999), two with France (2001, 2003) and two with Poland (2006, 2011).

GCCCG-1 / DKT2016 will focus on topics where currently research is carried out in both countries. Fundamental, applied and industrial aspects in the field of bulk growth and epitaxy of semiconductors, lasers and other optical materials, as well as intermetallics will be addressed. The technical sessions will cover characterization, experimental and theoretical studies of growth kinetics and other phenomena as well as all aspects of numerical simulation on the different length scales. As Dresden is the German center for microelectronics a special session will be on correlation of properties of the wafers with performance of semiconductor and other devices.

The program will include invited and contributed oral and poster presentations, an industrial exhibition, and an open forum discussion allowing a fruitful exchange between industrial and scientific participants. Furthermore, the winner of the Young Scientist Award of DGKK will be announced and the Poster Award of DGKK will be awarded. Before GCCCG-1 / DKT2016 the young crystal growers of the "junge DGKK" will hold their 5th seminar to which also the young Czech scientists and students are cordially invited.

The chairs of GCCCG-1 / DKT2016 invite and encourage you to join this key event of intensive scientific exchange and will welcome any application for participation.

The chairmen of GCCCG-1 / DKT 2016

Program (draft) & Abstract Submission

Tuesday, March 15

5th Seminar of junge DGKK

Wednesday, March 16

10:00 Opening Ceremony
10:30 Session 1
12:00 Lunch break
14:00 Session 2
16:00 Coffee break
16:30 Session 3 (including DGKK-Award)
18:30 Break
19:00 General Assembly of DGKK

Thursday, March 17

08:30 Session 4
10:30 Coffee break
11:00 Session 5
13:00 Lunch break
14:00 Poster Session
16:00 Session 6

19:00 Conference Dinner

Friday, March 18

08:30 Session 7
10:30 Coffee break
11:00 Session 8
13:00 Lunch break
14:00 Optional Session 9
15:30 Closing Ceremony

Abstract Submission

Please send your abstract by using the template from the DKT2016 homepage to:

DKT2016@thm.fraunhofer.de

Deadline for Abstract Submission: January 15, 2016

Invited Talks & DGKK Young Scientist Award

Invited Talks (to be confirmed)

100 years Czochralski method

- 100 years Czochralski – Historical aspects
- Importance of the Czochralski method for Saxony

Bulk semiconductors

- Synthesis of nitrides by the ammonothermal method
- Fast silicon crystallization on substrates

Oxides

- Growth of scintillation crystals by micro-pulling-down
- New method to grow large core free YAG crystals

Intermetallic compounds & Superconductors

- Growth of unconventional superconductors

Epitaxy

- III-V on silicon for fast transistors
- Nanostructures grown by MOVPE

Thin film

- Growth of diamond films for life sciences
- Sol-gel method as a way to functional materials

Devices

- Crystals for piezoelectric sensors
- Influence of epitaxial defects on III-V devices

Theory/Simulation

- Modeling faceted growth of oxides
- Advanced Simulation of MOVPE reactors
- Crystal nucleation kinetics in confined systems

DGKK Young Scientist Award

We invite you to send nominations for young scientists (not older than 35 years) who have presented outstanding scientific results in the field of crystal growth, epitaxy or characterization in a former DGKK workshop/ conference. The conditions for the nomination can be found on www.dgkk.de. During GCCCG-1 / DKT2016 the winner of the DGKK Young Scientist Award will be announced.

Deadline for Nomination: December 18, 2015

Registration & Location

Conference Fee

The fee includes abstract book, 4 coffee breaks with snacks, drinks during poster session, 3 lunches, conference dinner:

Early bird rate until January 18, 2016

- o DGKK / CSACG members 140€
- o Non DGKK / CSACG members 180€
- o Students / Retirees 90€

Registration after January 18, 2016

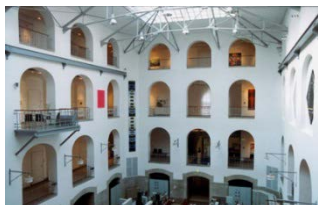
- o DGKK / CSACG members 180€
- o Non DGKK / CSACG members 220€
- o Students / Retirees 115€

Registration

Please sign up using the registration form available under:
www.thm.fraunhofer.de/DKT2016

Conference Site

GCCCG-1 / DKT 2016 will take place in the Görge-Building which is located in the center of the main campus of Technische Universität (TU) Dresden. The campus is in the south of Dresden 2.5 km from the city center. The 5th Seminar of junge DGKK will take place at the Leibniz-Institute IFW.



Access

Görge-Bau, Helmholtzstr. 9, 01069 Dresden
<https://navigator.tu-dresden.de/gebäude/gör>

Room Reservation

Participants of GCCCG-1 / DKT 2016 are asked to reserve their hotel rooms as early as possible. For room reservation we refer to the official site of Dresden:
<http://tportal.toubiz.de/dresdende/start>

Committees & Contact

Chairmen

- Prof. Thomas Mikolajick, Namlab gGmbH, Dresden
- Prof. Jörg Weber, TU Dresden
- Dr. Gunter Gerbeth, HZDR, Dresden
- Dr. Jochen Friedrich, Fraunhofer THM, Freiberg



Program Committee

- Andreas Erb, WMI München
- Michael Heuken, Aixtron AG Aachen
- Lev Kadinski, Siltronic AG, Burghausen
- Zdenek Kozisek, Czech Academy of Sciences, Prague
- Götz Meisterernst, Siltronic AG, Burghausen
- Wolfram Miller, IKZ Berlin
- Manfred Mühlberg, Universität Köln
- Karel Nitsch, Czech Academy of Sciences, Prague
- Peter Wellmann, FAU Erlangen

Secretary

- Kerstin Keller, Fraunhofer THM, Freiberg

Contact

DKT2016 / GCCCG-1

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Junge DGKK

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2nd Announcement

1st German Czechoslovak Conference on Crystal Growth

GCCCG-1



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March 16 - 18, 2016

Dresden, Germany

Under the auspices of the
 German Association of Crystal Growth and
 Czechoslovak Association of Crystal Growth