



11th INTERNATIONAL WORKSHOP ON MODELING IN CRYSTAL GROWTH

Timisoara, 22-25 September 2024

After the very successful IWMCGs in Parma, Italy (1989), Durbuy, Belgium (1996), Hauppauge, New York, USA (2000), Fukuoka, Japan (2004), Bamberg, Germany (2007), Lake Geneva, Wisconsin, USA (2010), Taipei, Taiwan (2012), Spa, Belgium (2015), Hawaii, USA (2018), Xi'an, China (2022), IWMCG-11, will be held in Timisoara, Romania. Timisoara also called "Little Vienna" is a strong university center and in 2023 it held the title of the cultural capital of Europe. Timisoara has an international airport with at least 3 daily flights to Munich, Germany. There are also connections to Milan (Bergamo), Paris Beauvais, London Luton, Rome Fiumicino, and Brussels.

The aim of the workshop is to bring together crystal growth researchers from university, industry, and government laboratories around the world to report on the latest advances in crystal growth modeling.

Topics will include the mathematical and computational modeling of:

- Software and numerical techniques
- Model validation and in-situ measurement
- Machine learning
- Micro and mesoscale simulation
- Vapor and solution growth
- Melt Growth
- Epitaxial growth
- Novel topics

IWMCG-11 will provide a great opportunity to exchange ideas, allowing for fruitful discussions between industrial, academic, and scientific participants from diverse fields. The workshop will include invited and oral presentations, poster sessions, and industrial exhibits. Industry participants are invited to present open issues that will encourage participants to address these issues in the future.

Local organizing committee:

Daniel Vizman: chair
Madalin Bunoiu
Gabriel Buse
Roxana Capu
Alexandra Popescu
Marius Stef
Dragos Tatomirescu

International Advisory Committee:

Simon Brandon, Technion Institute of Technology, Israel
Jyh-Chen Chen, National Central University, Taiwan
Jeffrey J. Derby, University of Minnesota, USA
Thierry Duffar, SIMaP-EPM, France
Natascha Dropka, Leibniz Institute for Crystal Growth, Germany
Roberto Fornari, University of Parma, Italy
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Koichi Kakimoto, Tohoku University, Japan
Vladimir Kalaev, STR Group Ltd., Serbia
Milind Kulkarni, Renaissance Solar and Electronic Materials, India
Chung-Wen Lan, National Taiwan University, Taiwan
Lijun Liu, Xi'an Jiaotong University, China
James Lutsko, University Libre de Bruxelles, Belgium
Wolfram Miller, Leibniz Institute for Crystal Growth, Germany
Mathis Plapp, Ecole Polytechnique, France
P. Ramasamy, SSN Institutions, India
Talid Sinno, University of Pennsylvania, USA
Noritaka Usami, Nagoya University, Japan
Hui Zhang, Tsinghua University, China
Toru Ujihara, Nagoya University, Japan
Jānis Virbulis, University of Latvia, Latvia

Timetable of IWMCG-11

Sunday September 22 nd	Monday September 23 rd	Tuesday September 24 th	Wednesday September 25 th
	8:00-8.30 Opening ceremony	8:00-10.00 <i>Session 4</i>	8:00-10.00 <i>Session 7</i>
	8:30-10.30 <i>Session 1</i>	10:00-10.30 Coffee break	10:00-10.30 Coffee break
	10:30-11.00 Coffee break	10:30-12.30 <i>Session 5</i>	10:30-12.30 <i>Session 8</i>
	11:00-13.00 <i>Session 2</i>	12:30-14.00 Lunch	12:30-13.00 Closing ceremony
	13:00-15.00 Lunch	14:00-16.00 <i>Session 6</i>	13:00-14.30 Lunch
16:00 – 18:00 Registration	15:00-17.00 <i>Session 3</i>	16:00-16.30 Coffee break	
18:00 – 20:00 Welcome reception	17:00-18.30 Poster session	16:30-17.30 Session on IWMCG historical aspects	
		18:00 Social dinner	

Proceedings

Full-length papers will be refereed for publication in a special issue of the Journal of Crystal Growth.

IWMCG-11 and ISMCG1 fees

Registration fee	Before 30.06.2024	After 30.06.2024
Regular participant ISMCG1 school (double room) ⁽¹⁾	450 €	500 €
Regular participant ISMCG1 school ⁽²⁾	350 €	400 €
Regular participant ISMCG1 school (single room, limited number) ⁽³⁾	600 €	650 €
Regular participant IWMCG-11 workshop ⁽⁴⁾	450 €	500 €
Accompanying person ⁽⁵⁾	150 €	150 €

⁽¹⁾ “Regular participant” ISMCG1 fee includes: attendance to lectures and school materials; eight-night accommodation in a student house double room (no breakfast, many opportunities all around), covering both the school and workshop duration; lunches; coffee breaks, social dinner.

⁽²⁾ “Only school attendance” fee includes: attendance to lectures and school materials; lunches; coffee breaks; social dinner; the participants have to arrange accommodation on their own.

⁽³⁾ Subject to room availability (on a first come first served basis). Accompanying person can share the room with the regularly registered participant.

⁽⁴⁾ “Regular participant” IWMCG-11 fee includes: attendance to the workshop, welcome reception; lunch; coffee breaks; conference dinner.

⁽⁵⁾ The registration fee of accompanying persons includes: welcome reception and conference dinner.

Important dates

Deadline for abstract submission:	May 15, 2024
Notification of acceptance:	May 31, 2024
Program available:	June 15, 2024
Deadline for early registration:	June 30, 2024
Date of the school:	September 19-21, 2024
Date of the workshop:	September 22-25, 2024
Deadline for submission of full paper:	December 15, 2024

Website: <https://iwmcg-11.uvt.ro/> (under construction)

Contact: iwmcg11@e-uvt.ro

Organized by:

