



1st INTERNATIONAL SCHOOL ON MODELLING IN CRYSTAL GROWTH

Timisoara, 19-21 September 2024

International School on Modeling in Crystal Growth is an accompanying event of the International Workshop on Modelling in Crystal Growth.

Based on the contents of the previous IWMCGs, the School program includes lectures on theoretical, mathematical and practical aspects of the macro-simulation of crystal growth processes. Around this central theme, it will also propose introductions to complementary modeling techniques, at the atomic, microscopic and mesoscopic scales.

While mornings will be devoted to conventional lectures, afternoons will propose “on the screen” practical activities with 1) an in-depth case study of optimization of a bulk crystal growth process and 2) parallel workshops, animated by the lecturers, to familiarize with techniques such as DFT, Monte-Carlo, Phase Field or Artificial Intelligence.

The format of the school is designed to encourage interaction between lecturers and attendees, with informal discussions at coffee breaks, meals and social events. To stimulate more interactions, participants will have the possibility to display a poster about their own modelling work.

The ISMCG1 will be organized at the West University of Timisoara close to the city center. The university offers comfortable rooms for lectures and computer rooms for practical activities. Accommodation in Student Houses is proposed.

Co-chairmans of the ISMCG1:

Thierry Duffar, SIMaP-EPM, Univ. Grenoble Alpes, France: co-chairman
Daniel Vizman, West University of Timisoara, Romania: co-chairman

Lecturers who accepted participation in the school:

Roberto Bergamaschini, University of Milano-Bicocca, Italy
Kaspars Dadzis, Leibniz Institute for Crystal Growth, Germany
Jeffrey J. Derby, University of Minnesota, USA
Thierry Duffar, SIMaP-EPM, France
Simon Brandon, Technion Institute of Technology, Israel
Marc Hainke, Fraunhofer-Institute IISB, Germany
Kentaro Kutsukake, RIKEN, Japan
Lijun Liu, Xi'an Jiaotong University, China
Mathis Plapp, Ecole Polytechnique, France
Talid Sinno, University of Pennsylvania, USA

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

Program available:	May 15, 2024
Deadline for early registration:	June 30, 2024
Date of the school:	September 19-21, 2024
Date of Workshop:	September 22-25, 2024

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

Contact: iwmcg11@e-uvt.ro

Organized by:

