



ESDIM 1

Timisoara, Romania, 2026

1ST EUROPEAN SCHOOL ON DEFECTS IN INSULATING MATERIALS

Timisoara, ROMANIA, 04-05 July 2026

European School on Defects in Insulating Materials is an accompanying event of the European Conference on Defects in Insulating Materials. Based on the contents of the previous EurDIMs, the School program includes lectures on theoretical and practical aspects of the defects from fundamental issues to applications. The format of the school is designed to encourage interaction between lecturers and attendees, with informal discussions at coffee breaks, meals and social events. The ESDIM 1 will be organized at the West University of Timisoara close to the city center. Accommodation in Student Houses is proposed.

Topics will include all areas related to point and extended defects in bulk materials, thin films and nanostructures. Technological applications will be presented alongside fundamental measurements and theories.

Local organizing committee:

Chair



Assoc. Prof. **Marius Stef**,
West University of
Timisoara, Romania

Co-Chair



Dr. hab. **Maksym Buryi**,
Ph.D., Institute of Plasma
Physics of the Czech
Academy of Sciences,
Prague, Czech Republic

Co-Chair



Prof. **Anatoli Popov**,
Institute of Solid State
Physics, Riga, Latvia

Co-Chair



Prof. **Mikhail Brik**,
University of
Tartu, Estonia

Secretary



Dr. **Marina Konuhova**,
Institute of Solid State Physics, Riga, Latvia (office@eurodim.ro)

Members

Prof. Daniel Vizman
Dr. Gabriel Buse
Dr. Maria Poienar
Dr. Shelja Sharma
Dr. Karol Bartosiewicz
Dr. Robert Tomala
Drd. Carla Schornig
Florina Danci
Maximilian Mangra
Francisc Bader

Lecturers who accepted participation in the school:

1	 <p>Mikhail Brik, University of Tartu, Estonia</p>	<i>Energy levels of impurity ions in crystals from the theoretical point of view</i>
2	 <p>Rob Jackson, Keele University, UK</p>	<i>Computer modelling of defects and dopants in optical materials</i>

3		Daniel Vizman , West University of Timisoara, Romania	<i>Influence of growth conditions on the defects in crystals</i>
4		Matias Velazquez , University of Grenoble Alpes, France	<i>Solubility limits and solute partition in rare earth-doped bulk optical crystal growth</i>
5		Anatoli Popov , Institute of Solid State Physics, Riga, Latvia	<i>Title</i>
6		Maksym Buryi , Institute of Plasma Physics, The Czech Academy of Sciences, Czech Republic	<i>Thermal plasma as a unique medium for synthesis, modification and upcycling of materials</i>
7		Mario E.G. Valerio , Federal University of Sergipe, Brazil	<i>Synchrotron based spectroscopic technique used to characterize defects in materials (specially, absorption spectroscopic techniques)</i>

8		Aleksandr Lushchik , Institute of Physics, University of Tartu, Estonia	<i>Radiative and nonradiative channels of absorbed energy dissipation in wide-gap materials</i>
9		Henk Vrielink , Ghent University, Belgium	<i>Identification of defects in insulating materials using electron paramagnetic resonance spectroscopy</i>
10		Marius Stef , West University of Timisoara, Romania	<i>Spectroscopic investigation of defect centers in crystals</i>

*Room **A01**, each lecture will be **45 minutes** + 5 minutes Q&A.

Timetable of ESDIM-1 summer school

Saturday, July 4 th	Sunday, July 5 th
09:00 – 10:00 Registration	09:00 – 09:50 Lecture #6
10:00 – 10:50 Lecture #1	09:50 – 10:10 Coffee break
10:50 – 11:10 Coffee break	10:10 – 11:00 Lecture #7
11:10 – 12:00 Lecture #2	11:00 – 11:10 Coffee break
12:00 – 14:00 Lunch (Vineri15)	11:10 – 12:00 Lecture #8
14:00 – 14:50 Lecture #3	12:00 – 14:00 Lunch (Vineri15)
14:50 – 16:10 Coffee break	14:00 – 14:50 Lecture #9
16:10 – 17:00 Lecture #4	14:50 – 15:10 Coffee break
17:00 – 17:20 Coffee break	15:10 – 16:00 Lecture #10 – Matias Velazquez
17:20 – 18:10 Lecture #5	19:00 – 21:00 Welcome reception (Vineri15)
19:00 – 22:00 Dinner (Vineri15)	

EuroDIM-15 and ESDIM-1 fees:

Registration	Before 15 May 2026	After 15 May 2026
Regular participant at EuroDIM-15 conference (1)	600 EUR	700 EUR
Student participant at ESDIM and EuroDIM-15 (2)	700 EUR	800 EUR
Student participant at ESDIM only (3)	200 EUR	300 EUR
Accompanying person (4)	200 EUR	300 EUR

- (1) “Regular participant” EuroDIM-15 fee includes: attendance to the workshop, welcome reception; lunch; coffee breaks; conference dinner and excursion to the Corvin Castle with refreshments lunch close to the castle (on Thursday, 8th July 2026).
- (2) Student participant at both ESDIM and EuroDIM fee includes: attendance to lectures, school materials and EuroDIM conference; six-night accommodation in a student house double room (no breakfast, many opportunities all around), covering both the school and workshop duration; welcome reception, lunches; coffee breaks, conference dinner and excursion to the Corvin Castle with refreshments lunch close to the castle (on Thursday, 8th July 2026).
- (3) “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.
- (4) The registration fee of *accompanying person* includes: welcome reception, conference dinner and excursion to the Corvin Castle with refreshments lunch close to the castle (on Thursday, 8th July 2026).

Important dates:

Program available:	around June 15th, 2026
Deadline for early registration:	May 15 th , 2026
Deadline for regular registration	June 5 th , 2026
Date of the ESDIM:	July 04-05, 2026
Date of the EuroDIM-15:	July 06-10, 2026

Website: www.eurodim.ro

Contact: e-mail: office@eurodim.ro

Organized by West University of Timisoara and Romanian Physical Society

