



## THE 15<sup>TH</sup> EUROPHYSICAL CONFERENCE ON DEFECTS IN INSULATING MATERIALS



AND

## 1<sup>ST</sup> EUROPEAN SCHOOL ON DEFECTS IN INSULATING MATERIALS Timisoara, ROMANIA, 04-10 July 2026

After the very successful EuroDIMs in Ghent, Belgium (2022), Bydgoszcz, Poland (2018), Kent, UK (2014), Pecs, Hungary (2010), Milan, Italy (2006), Wroclaw, Poland (2002), EuroDIM-15, 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 conference is to bring together researchers from university, industry, and government laboratories around the world to report on the latest advances studies of defects in insulating materials.

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. The main scientific areas include:

- Fundamental physical phenomena;
- Point and extended defects in wide band-gap systems;
- Defects at surfaces and interfaces;
- Thin films and low-dimensional systems;
- Nanocrystals, colloids and aggregates;
- Defects and material preparation technology;
- Defects modeling and computational methods;
- Radiation effects, radiation induced defects, colour centers;
- Luminescence spectroscopy of excitons, impurities, and defects, including using of synchrotron radiation;
- Electronic excitations, excited state dynamics, radiative and non-radiative relaxations;

- Scintillation, energy transfer and storage, carrier trapping phenomena;
- Laser active centers;
- Defect related non-linear optical phenomena;
- Phonons and defects, electron-phonon interactions;
- Defect diffusion, ionic relaxations, ionic transport;
- Technological applications including:
  - Radiological and radiometric imaging and detection (scintillators and dosimeters);
  - Optical devices and photonics, photorefractive electro-optics, optical fibres, lasers;
  - Materials for opto-electronics, photonics and micro-electronics;
  - Solid electrolytes, fuel cells, electrochemical sensors, fast ionic conductors;

EuroDIM-15 will provide a great opportunity to exchange ideas, allowing for fruitful discussions between industrial, academic, and scientific participants from diverse fields. The conference will include plenary, keynotes, invited, 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:**

**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](mailto: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  
Maximilian Mangra  
Florina Danci  
Francisc Bader

### **International Advisory Committee (IAC):**

#### **Rob Jackson (UK) - Chair**

Akira Yoshikawa (Japan)  
Alan Chadwick (UK)  
Aleksandr Lushchik (Estonia)  
Alma Dauletbekova (Kazakhstan)  
Anatoli Popov (Latvia)  
Chris Stanek (USA)  
Christophe Dujardin (France)  
Eduardo Yukihara (Switzerland)  
Graeme Watson (Ireland)  
Henk Vrielink (Belgium)  
Krisztian Lengyel (Hungary)  
Juan Maria Garcia Lastro (Denmark)  
Maksym Buryi (Czechia)  
Mario Valerio (Brazil)  
Marius Stef (Romania)  
Massimo Piccanini (Italy)  
Phuti Ngoepe (South Africa)  
Roberto Lorenzi (Italy)  
Siegmond Greulich-Weber (Germany)  
Volkmar Dierolf (USA)  
Yuriy Zorenko (Poland)

### Program of EuroDIM-15 conference

Sunday July 5 <sup>th</sup>	Monday July 6 <sup>th</sup>	Tuesday July 7 <sup>th</sup>	Wednesday July 8 <sup>th</sup>	Thursday July 9 <sup>th</sup>	Friday, July 10 <sup>th</sup>
<b>ESDIM-1</b>	8:00 – 8:30 Registration	8:00 – 8:30 Registration	<b>8:00, 8:30, 9:00 – 19:00</b> Corvin Castle excursion (Lunch Eden by Werk)	8:00 – 8:30 Registration	8:00 – 9:30 2xPlenary session 3 (Aula Magna)
	8:15-9:00 Opening ceremony (Aula Magna)	8:15 – 11:15 4xPlenary session 2 (Aula Magna)		8:15 – 11:15 Oral session 3 A01 A11 F206	09:30 – 10:00 Coffee break
	9:00 – 11:15 3xPlenary session 1 (Aula Magna)				10:00 – 10:45 3xKeynote 4 (Aula Magna)
	11:00 – 11:30 Coffee break	11:15 – 11:30 Coffee break			10:45 – 11:15 Closing ceremony (Aula Magna)
	11:30 – 13:00 3xKeynote 1 (Aula Magna)	11:30 – 13:00 3xKeynote 2 (Aula Magna)			
	13:00 – 14:50 Lunch (Vineri15)	13:30 – 14:50 Lunch (Vineri15)			11:30 – 13:00 3xKeynote 3 (Aula Magna)
	15:00 – 17:00 Oral session 1	15:00 – 17:00 Oral session 2			13:30 – 14:50 Lunch (Vineri15)
16:00 – 20:00 Registration	17:30 – 18:30 Poster session A Aula	17:30 – 18:30 Poster session B Aula		15:00 – 17:00 Oral session 4	
19:00 – 21:00 Welcome reception (Vineri15)	19:00 – 21:00 Dinner (Vineri15)	19:00 – 21:00 Dinner (Vineri15)	19:00 – 21:00 Dinner (La Sura, Dumbrava)	18:00 – 21:00 Social dinner (Recas winery)	

- Plenary session 45 min. (including 5 min. discussions) → Aula Magna
- Keynote session 30 min. (including 5 min. discussions) → Aula Magna
- Invited session 25 min. (including 5 min. discussions) → A01, A11, F206
- Oral session 15 min. (including 5 min. discussions) → A01, A11, F206


Meet our plenary lecturers of the EuroDIM-15 :

	Plenary	Title
1	 <b>Anatoli Popov</b> , University of Latvia, Riga, Latvia	<i>Title</i>
2	 <b>Rob Jackson</b> , Keele University, UK	<i>Title</i>
3	 <b>Mikhail Brik</b> , University of Tartu, Tartu, Estonia	<i>Title</i>
4	 <b>Wieslaw Strenk</b> , Institute of Low Temperatures and Structure Research, Wroclaw Poland	<i>Laser induced white emission and photocurrent of graphene</i>
5	 <b>Tomoyuki Yamamoto</b> , Waseda University, Tokyo, Japan	<i>Title</i>

6		<b>Martin Albrecht</b> , Leibniz-Institut für Kristallzüchtung, Berlin, Germany	<i>Antisite defects in SrTiO<sub>3</sub>: when off-stoichiometry turns disorder into function</i>
7		<b>Matias Velazquez</b> , CNRS-Grenoble INP-UGA, France	<i>Title</i>

	Photo	Keynote speaker	Title
1		<b>Daniel Vizman</b> , West University of Timisoara, Romania	<i>Title</i>
2		<b>Maksym Buryi</b> , Institute of Plasma Physics, The Czech Academy of Sciences, Czech Republic	<i>Title</i>
3		<b>Lengyel Krisztian</b> , HUN-REN Wigner Research Centre for Physics Institute for Solid State Physics and Optics, Budapest, Hungary	<i>Title</i>

4		<b>Robert Tomala</b> , Institute of Low Temperature and Structure Research, Poland	<i>Title</i>
5		<b>Yuriy Zorenko</b> , Kazimierz Wielki University, Poland	<i>Luminescence of defects and isoelectronic impurities in UV-emitting oxide scintillators under X-ray and synchrotron radiation excitation</i>
6		<b>Virģinija Vītola</b> , University of Latvia, Latvia	<i>Role of defects in persistent luminescent materials</i>
7		<b>Marius Stef</b> , West University of Timisoara, Romania	<i>Luminescence of rare-earth doped fluoride crystals</i>
8		<b>Mario Valerio</b> , Federal University of Sergipe, Brazil	<i>Title</i>

<b>9</b>		<b>Shunsuke Kurosawa</b> , Nagoya University, Japan	<i>Title</i>
----------	---	---	--------------

<b>No.</b>	<b>Invited talk</b>	<b>Title</b>
<b>1</b>	Aleksandr Lushchik, University of Tartu, Tartu, Estonia	<i>Recent studies of Frenkel defects induced in metal oxides either by swift heavy ions or fast fission neutrons using optical and EPR methods</i>
<b>2</b>	Hua Shu Hsu	<i>Title</i>
<b>3</b>	Andries Meijerink	<i>Title</i>
<b>4</b>	Henk Vrielinck, Ghent University, Gent, Belgium	<i>Electron paramagnetic resonance spectroscopy of defects in materials for radiophotoluminescence radiation detection</i>
<b>5</b>	Shelja Sharma, University of Latvia, Latvia	<i>Title</i>
<b>6</b>	Inesh Kenzhina, Satbayev University, Almaty, Kazakhstan	<i>Title</i>
<b>7</b>	Irene Villa, University of Milano-Bicocca, Milano, Italy	<i>Title</i>
<b>8</b>	Francesca Cova, University of Milano-Bicocca, Milano, Italy	<i>Title</i>
<b>9</b>	Gheorghe Lucian, National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania	<i>Title</i>
<b>10</b>	Silviu Polosan, National Institute of Materials Physics, Magurele, Romania	<i>Oxygen defects and ferroelectricity of BaFe<sub>12</sub>O<sub>19</sub> hexaferrites</i>
<b>11</b>	Sergiu Vatavu, Moldova State University, Republic of Moldova	<i>Title</i>
<b>12</b>	Simonpietro Agnello, University of Palermo, Italia	<i>2D MoS<sub>2</sub> from thermal stability to irradiation induced modifications</i>
<b>13</b>	Philippe Veber, West University of Timisoara, Romania	<i>Title</i>
<b>14</b>	Hanna Bandarenka, Belarusian State University of Informatics and Radioelectronics	<i>Recent progress in optical characterization of silicon microchips</i>
<b>15</b>	Mamoru Kitaura, Yamagata University, Yamagata, Japan	

## Proceedings



Full-length papers will be refereed for publication in a special issue. The journal will be announced.

#### EuroDIM-15 and ESDIM fees:

Registration	Before 15 May 2026	Before 5 June 2026
Regular participant at EuroDIM-15 conference <sup>(1)</sup>	600 EUR	700 EUR
Student participant at ESDIM and EuroDIM-15 <sup>(2)</sup>	700 EUR	800 EUR
Student participant at ESDIM <b>only</b> <sup>(3)</sup>	200 EUR	300 EUR
Accompanying person <sup>(4)</sup>	300 EUR	400 EUR

(1) “Regular participant” EuroDIM-15 fee includes: attendance to the conference, welcome reception; lunch; coffee breaks; conference dinner and excursion to the Corvin Castle with refreshments lunch close to the castle (on Thursday, 8<sup>th</sup> July 2026).

(2) Student participant at both ESDIM and EuroDIM fee includes: attendance to lectures, school materials and EuroDIM conference; eight-night accommodation in a student house double room (no breakfast, many opportunities all around), covering both the school and conference duration; welcome reception, lunches; coffee breaks, conference dinner and excursion to the Corvin Castle with refreshments lunch close to the castle (on Thursday, 8<sup>th</sup> 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, 8<sup>th</sup> July 2026).

#### Important dates:

Deadline for abstract submission:	April 15 <sup>th</sup> , 2026
Notification of acceptance:	April 15 <sup>th</sup> , 2026
Program available:	around June 15 <sup>th</sup> , 2026
Deadline for early registration:	May 15 <sup>th</sup> , 2026
Deadline for regular registration:	June 5 <sup>th</sup> , 2026
Date of the ESDIM:	July 04-05, 2026
Date of the EuroDIM-15:	July 06-10, 2026
Deadline for submission of full paper:	February 28 <sup>th</sup> , 2027

Website: [www.eurodim.ro](http://www.eurodim.ro)

Contact: e-mail: [office@eurodim.ro](mailto:office@eurodim.ro)

Organized by West University of Timisoara and Romanian Physical Society

