

## **Conference Proceedings**

Participants to Symposium B will have the option to submit their manuscripts to a Virtual Special Issue of '**Surface and Coatings Technology**' journal (IF=6.1) from Elsevier. Submitted manuscripts will be reviewed following the same peer-review process as regular submissions.

## **Young Research Award (YRA)**

To honor and encourage graduate students with excellent academic achievements, two awards (comprising a cash prize and a fee-waiver) will be granted to the two winners of the YRA. Applications must be sent through the [EMRS website](#).

## **International Scientific Committee**

A. Anders (USA), S. Aouadi (USA), B. Bakhit (UK), T. Belmonte (FR), A. Bousquet (FR), A. Cavaleiro (PT), M. Cekada (SI), A. Delimitis (GR), P. Eklund (SE), M. Fenker (DE), M. Ghidelli (FR), J-H. Huang (TW), D-H Kim (KR), C. Jaoul (FR), S. Konstantinidis (BE), B. Krause (DE), T. Kubart (SE), T. Kyratsi (CY), A. Le Febvrier (SE), H. Larhlimi (NL), N. Martin (FR), C. Mitterer (AT), L. Martinu (CA), D. Munteanu (RO), J.F. Pierson (FR), N. Pliatsikas (GR), I. Petrov (USA), B. Podgornik (SVN), J. Ramade (FR), D. Sangiovanni (SE), J.C. Sanchez-Lopez (SP), N. Schalk (AT), S. Siol (CH), P. Soucek (CZ), M. Stüber (DE), F. Vaz (PT), J. Vlcek (CZ), L. Zajickova (CZ), P. Zeman (CZ).

## **Important deadlines**

Abstract submission: **[January 21, 2026](#)**

Abstract Acceptance: **[March 3, 2026](#)**

Scientific Program (on-line): **[April 2026](#)**

Manuscript submission: **[July 10, 2026](#)**



## **2026 E-MRS Spring Meeting**

### **Symposium B** **Nano-engineered coatings and thin films:** **from design to applications**

**May 25-29, 2026**  
Strasbourg, France

## **Conference Venue**

The 2026 Spring Meeting of the European Materials Research Society (E-MRS), organized in partnership with the Foundation Jean-Marie Lehn, will be held at the [Convention & Exhibition Centre of Strasbourg \(France\)](#), from [May 25 to 29, 2026](#). The conference will consist of 24 parallel symposia and more than 2000 participants are to be expected.

More information can be found on the EMRS website:  
<https://www.european-mrs.com/meetings/2026-spring-meeting>



## Symposium Description

The goal of the present symposium is to serve as forum for the exchange of information and expertise on the design and synthesis of **nano-engineered thin films** and **coatings** with tailored functionalities. Areas of interest include the following topics:

- **Fundamentals of thin-film growth:** Modelling of vapor- and plasma-based thin-film synthesis processes (PVD, CVD/ALD, hybrid processes), *in situ* growth monitoring and computational modelling
- **Design and fabrication techniques:** Novel approaches for design of self-organized nanostructures and low-dimensional materials, as well as plasma-based surface modification/functionalization
- **Characterization methods:** High-end nanoscale microscopic and spectroscopic characterization techniques, including *in situ* and operando techniques; nanomechanical testing
- **Functional coatings:** Multilayers, metastable alloys, high-entropy alloys; hard, wear-resistant coatings; thin films for photonic, optical devices, and sensors; thin films for energy storage, saving, and conversion,
- **Environmental impact and sustainability:** Novel coatings and surfaces for sustainable development, improved durability, and green energy

## Symposium Organizers

Prof. Grégory Abadias

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Prof. Kostas Sarakinos

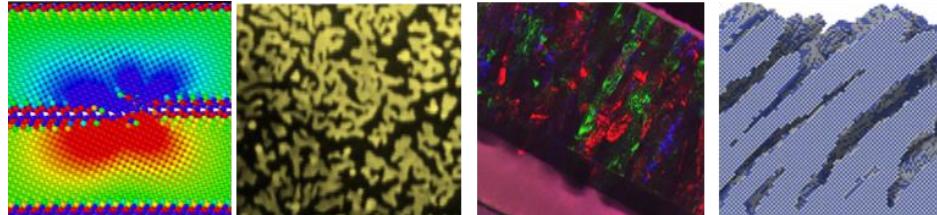
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## Invited speakers

- Claudia Cancelliari, [EMPA, Swiss Federal Laboratories for Materials Science and Technology, Switzerland](#)   
"Interface Stress and Properties in metallic Nanomultilayers: Insights from Experimental and Computational Approaches"
- Alberto Palmero, [CSIC, Spain](#)   
"Fundamentals and Applications of porous Nanocolumnar Thin Films Grown at Oblique Angles: Perspectives and Challenges"
- Jazmin Duarte, [Max Planck Institute for Sustainable Materials, Germany](#)   
"Hydrogen barrier coatings: from permeation to mechanics"
- Megan Cordill, [Erich Schmid Institute of Materials Science, Austria](#)   
"Adhesion of polymer ice-phobic coatings for aerospace applications"
- Erik Lewin, [Uppsala University, Sweden](#)   
"Epitaxy and twinning in sputter-deposited cantor alloy thin films"
- Nikola Koutná, [Technical University of Vienna, Austria](#)   
"From ab initio descriptors to ML-powered molecular dynamics simulations of deformation and fracture processes in ceramics"
- Philippe Steyer, [MATEIS, INSA Lyon, France](#)   
"Advanced electron microscopy to better understand the dynamic of Thin Film Metallic Glasses"
- Marcus Hans, [RWTH Aachen University, Germany](#)   
"Thermal stability of hard coatings – Identifying the onset of thermal decomposition by combining high-resolution chemical and structural characterization"
- Diederik Depla, [Ghent University, Belgium](#)   
"Characterizing Species Journeys to the Substrate in Reactive Magnetron Sputtering"
- Andrea Sand, [Aalto University, Finland](#)   
"Insights from atomistic scale modelling of plasma-surface interactions"
- Angelos Xomalis, [NTNU Trondheim, Norway](#)   
"Cascading Disordered Optical Metasurfaces: How to Assemble and Simulate"