

# Recent Advances in Electron Microscopy

## Programme of the IS2M Annual Meeting, 11 June 2026

- 9h00 - 9h20: Welcome of the participants
- 9h20 - 09h30: Pr. Vincent ROUCOULES (Director of IS2M) - *Introduction*
- 9h30 - 10h10: Dr. Philippe BOULLAY (CRISMAT, University of Caen Normandie) – *“3D Electron Diffraction (3D ED) - A Powerful Tool for Structural Characterization”*
- 10h10 - 10h35: Elyad DAMERCHI (MATTER, Institute of Technology, University of Tartu, Estonia) – *“A TEM Investigation of Heat-Induced Structural Changes in Silver Nanowires”*
- 10h35 - 10h55: Coffee Break
- 10h55 - 11h20: Fabienne MÉDARD and Franck TEILLARD (Vaisseaux Poussière) – *“Présentation de l'Œuvre Artistique : Aux Frontières du Réel, Fragments d'un Monde Caché”*
- 11h20 - 12h00: Dr. Khai-Nghi TRUONG (Rigaku Europe SE, Neu-Isenburg, Germany) – *“Tiny Crystals, Complex Powders, Great Insights – Understand your Sample Using the XtaLAB Synergy-ED”*
- 12h00 - 14h00: Lunch
- 14h00 - 14h40: Dr. Fabienne MÉDARD (ANATEX) – *“Voir et Comprendre l'Invisible : le MEB au Service de l'Archéologie des Textiles en Contexte Funéraire”*
- 14h40 - 15h05: Jeremy HIEULLE (IS2M, University of Haute Alsace) – *“Probing Light-Induced Degradation in Hybrid Perovskites at the Nanoscale by Correlative Microscopy”*
- 15h05 - 15h45: Dr. Jacques WERCKMANN (IPCMS, University of Strasbourg) – *“Structure and Chemical Analysis of Magnetotactic Bacterias by Analytical Scanning Transmission Microscopy”*
- 15h45 - 16h15: Coffee Break
- 16h15 - 16h55: Dr. Nicolas TAPPY (Attolight HQ, Ecublens, Switzerland) – *“Leveraging Machine Learning Algorithms for Spectroscopy Data Analysis”*
- 16h55 - 17h20: Elie KARAM (IS2M, University of Haute Alsace) – *“Plasmon-Assisted Condensation of Titanium Oxoclusters”*
- 17h20 - 18h00: Pr. Karine MOUGIN (IS2M, University of Haute Alsace) – *“Spiky Plasmonic Nanourchins: A TEM Journey into Their Nanoscale Structure”*
- 18h00: Conclusion & Buffet Dinner