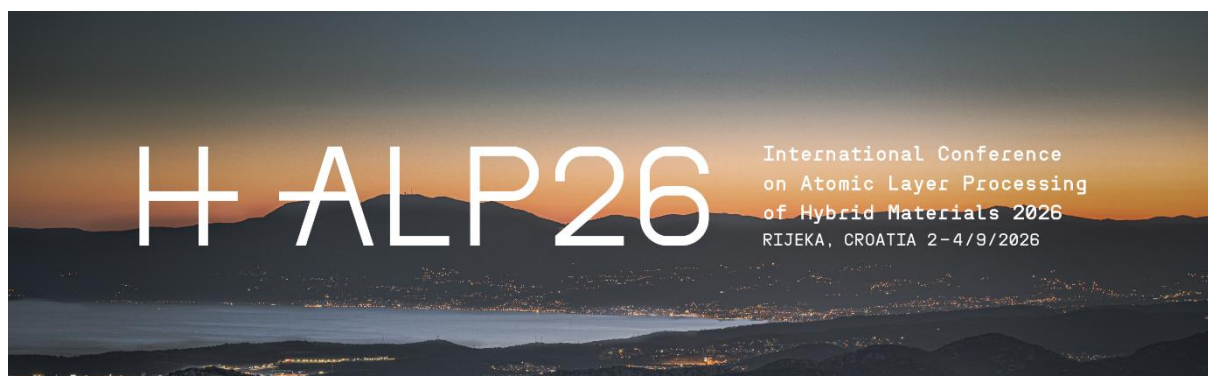




Wednesday, September 2

8:30 – 10:00	Registration with welcome coffee
10:00 – 10:15	Opening ceremony

Session 1 (chairman: Mato Knez)

10:15 – 10:45	Tamar Segal Peretz (invited), Technion- Israel Institute of Technology, Israel Controlled Growth Within and On Polymers: Vapor-Phase Routes for Durable Environmental Materials
10:45 – 11:15	Mark Losego (invited), Georgia Institute of Technology, USA Approaches for Elucidating the Physicochemical Structure of Organic-Inorganic Hybrids Synthesized via Vapor Infiltration of Polymers
11:15 – 11:45	Michael Nolan (invited), University College Cork, Ireland Mechanisms of Hybrid Atomic Level Processing
11:45 – 12:00	Helle-Mai Piirsoo, Institute of Electrical Engineering, Slovakia Residual Gas Analysis of Atomic Layer Deposition on Powders

12:00 – 13:30	Lunch break
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Session 2 (chairman: Iva Saric Jankovic)

13:30 – 14:00	Gabriele Seguíni (invited), IMM-CNR, Unit of Agrate Brianza, Italy Sequential Infiltration Synthesis for Organized Nanostructure Fabrication
14:00 – 14:30	John Conley (invited), Oregon State University, USA Microwave Enhanced Atomic Layer Processing
14:30 – 14:45	Zsófia Baji, Centre for Energy Research, Hungary Precursor–Surface Interactions Governing ALD: A DFT Study of Hf Precursors and Co-Reactants on MoS ₂
14:45 – 15:00	Dea Fackovic Volcanjk, Stanford University, USA Sequence Matters: Tailoring Al- and Hf-Based Oxide Dielectrics on Monolayer MoS ₂

15:00 – 15:15	Jean-Francois de Marneffe , <i>imec, Belgium</i> Plasma etching for defectivity reduction: the example of TiO ₂ area-selective deposition
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15:15 – 15:45	Coffee break
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Session 3 (chairman: David Bergsman)	
15:45 – 16:00	Wenwen Wang , <i>CIC nanoGUNE, Spain</i> Hybrid metallosaccharide films for protecting wood from environmental damage
16:00 – 16:30	Alex B. F. Martinson (invited) , <i>Argonne National Laboratory, USA</i> Vapor Deposition of Molecularly Defined Multi-Metal Clusters for Energy Conversion and Photocatalysis ONLINE

Session 4 (chairman: Tamar Segal-Peretz)	
16:30 – 17:00	Ruoke Cai (invited) , <i>Israel Institute of Technology, Israel</i> Molecular Layer Deposition of Polyamide Membranes for Selective Water and Ion Transport
17:00 – 17:30	Harpreet Sondhi (invited) , <i>University of Twente, Netherlands</i> Atomic and molecular layer deposition engineered ceramic membranes for nanofiltration and solvent-resistant nanofiltration
17:30 – 18:00	Jolke Perelaer (invited) , <i>Wiley-VCH GmbH, Germany</i> Wiley workshop: How to publish in high-impact (factor) journals?

18:00 – 20:00	Poster session and social program
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P1	Zsófia Baji , <i>Centre for Energy Research, Hungary</i> Hybrid Hafnicon Thin Films for Moisture-Responsive Dielectric Applications
P2	Ofer Burg , <i>The Hebrew University of Jerusalem, Israel</i> Towards Bimetallic Nanowire Arrays with Controlled Compositions Using Block Copolymer Films: The Interplay Between Metal Precursors
P3	Yumei Chai , <i>CIC nanoGUNE, Donostia/San Sebastián, Spain</i> Introducing Chemical Vapor Etching (CVE) as Material-Selective Approach for Surgically Precise Tarnish Removal from corroded bronze surfaces
P4	Teresa Elenes-Cervantes , <i>Instituto de Microelectrónica de Barcelona, Spain</i> Vapor Phase Infiltration in PS-b-PMMA Thin Films: Role of Morphology and Temperature
P5	Slim Hussein , <i>Centre National de la Recherche Scientifique, France</i> Vapor Phase Infiltration for SWCNT Filling
P6	Daria Jardas Babić , <i>University of Rijeka, Faculty of Physics, Croatia</i> Solar-Driven Caffeine Degradation Using Porous Cu _x O/Al ₂ O ₃ /ZnO Heterojunction Films
P7	Ivana Jelovica Badovinac , <i>University of Rijeka, Faculty of Physics, Croatia</i> Atomic Layer Deposition of Hybrid TiO ₂ -Cu Nanocomposites for Solar Photocatalysis

P8	Ivna Kavre Piltaver , <i>University of Rijeka, Faculty of Physics, Croatia</i> Enhanced Solar-Light Photocatalysis of Cu-Doped ZnO Thin Films on Self-Ordered Porous Anodized Substrates
P9	Maria Kolympadi Markovic , <i>University of Rijeka, Faculty of Physics, Croatia</i> Solution- and Vapor-phase Synthetic Approaches to Immobilized Metal-Organic Frameworks (MOFs)
P10	Noam Lerner , <i>Israel Institute of Technology, Israel</i> Reaction–Diffusion Modelling of Vapor Phase Infiltration in Block Copolymer Thin Films
P11	Mattea Mačkić Jovanović , <i>University of Rijeka, Faculty of Physics, Croatia</i> Growth Temperature-Dependent Microstructural Properties of SnO ₂ Thin Films Deposited by ALD and PEALD
P12	Shani Monadeev , <i>Israel Institute of Technology, Israel</i> Promoting the synthesis of sustainable aviation fuels (SAFs) over exposed heterointerfaces
P13	Sara Pakseresht , <i>Aalto University, Finland</i> Atomic Layer Deposition for Stabilizing Lithium Metal Interfaces in Next-Generation Lithium Batteries
P14	Robert Peter , <i>University of Rijeka, Faculty of Physics, Croatia</i> ZnO Thin Films with Embedded Copper Nanoparticles as Plasmonic Photocatalysts for Solar-Driven Wastewater Treatment
P15	Iva Šarić Janković , <i>University of Rijeka, Faculty of Physics, Croatia</i> Plasma-Assisted ALD/MLD of SiOTiNC Hybrid Ultrathin Films from Cyclic Tetrasiloxane and TiCl ₄

Thursday, September 3

Session 5 (chairman: Mark Losego)	
09:00 – 09:30	Nari Jeon (invited) , <i>Chungnam National University, Republic of Korea</i> Inorganic-Mediated Crosslinking in Hybrid Resists via Sequential Infiltration Synthesis ONLINE
09:30 – 09:45	Silvia Armini , <i>imec, Belgium</i> Area-selective deposition of metal oxides leveraging polymeric materials as non-growth areas
09:45 – 10:00	Eden Elazar , <i>Technion -IIT, Israel</i> Enhancing Composite Materials Performance at Elevated Temperatures Using Atomic Layer Deposition
10:00 – 10:15	Silvia Mirallas García , <i>CIC nanoGUNE BRTA, Spain</i> Sub-surface patterning of polymers with inorganics by area-selective vapor phase infiltration
10:15 – 10:30	Haowen Hu , <i>Instituto de Microelectrónica de Barcelona: Cerdanyola del Valles, Spain</i> Enabling High-Resolution Nanopatterning via Vapor phase infiltration of Perpendicularly oriented PS-b-PLA
10:30 – 10:45	Francesco Bignoli , <i>IMM-CNR, Unit of Agrate Brianza, Italy</i>

Operando sequential infiltration synthesis of PLA films and PS-b-PLA lamellae across different temperatures for lithographic applications

10:45 – 11:15 Coffee break

Session 6 (chairman: John Conley)

11:15 – 11:45 Rong Chen (invited), Huazhong University of Science and Technology, China

Atomic Layer Infiltration-Enabled Encapsulation Strategies for Stable Stretchable Electronics

11:45 – 12:15 Oksana Yurkevich (invited), CIC nanoGUNE, Spain

Vapor phase infiltration for self-healing of semiconducting materials

12:15 – 12:30 Mari Heikkinen, Aalto University, Finland

Atomic/molecular layer deposition of metal ethenetetrathiolate thin films for thermoelectric applications

12:30 – 14:45 Umaid M. Lone, Aalto University, Finland

Engineered Inverse Opals for Growth of Nanostructured Ti-Organic Thin Films via Atomic/Molecular Layer Deposition

12:45 – 13:00 Jean-Francois de Marneffe, imec, Belgium

High-Fidelity Nanoscale Patterning of MgZnO via Atomic Layer Etching for Advanced Device Integration

13:00 – 13:15 Anil Yadav, Indian Institute of Science, India

Low Temperature Atomic Layer Deposition of ZnO for Optoelectronic Applications

13:15 – 14:30 Lunch break

14:30 – Social program

Friday, September 4

Session 7 (chairman: Michael Nolan)

09:00 – 09:30 Jan M. Macak (invited), University of Pardubice, Czech Republic
Vapor Phase Infiltration of ZnO nanocrystals into biodegradable fibers for dermatologic applications

09:30 – 10:00 David Bergsman (invited), University of Washington, USA
Overcoming Embrittlement in Vapor Phase Infiltration

10:00 – 10:15 Roman Parkhomenko, CIC nanoGUNE, Spain
Vapour-Phase TiO₂ Modification of PEEK Cages: Subsurface Characterisation and Biological Performance

10:15 – 10:30 Martina Rihova, University of Pardubice, Czech Republic
Comparison of ALD and VPI for TiO₂ deposition on centrifugally spun fibers for photocatalytic applications

10:30 – 10:45 Michele Perego, IMM-CNR, Unit of Agrate Brianza, Italy

Alumina Infiltration into Polymer Thin Films: Insights from Operando Spectroscopic Ellipsometry

10:45 – 11:15 Coffee break

Session 8 (chairman: Rong Chen)

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| 11:15 – 11:45 | Stacey Bent (invited) , <i>Stanford University, USA</i>
The Power of Molecular Design in MLD of Hybrid Materials for EUV Lithography |
| 11:45 – 12:15 | Maarit Karppinen (invited) , <i>Aalto University, Finland</i>
ALD/MLD for Unique Functional Materials |
| 12:15 – 12:30 | Olga Partanen , <i>Aalto University, Finland</i>
Area-Selective Atomic/Molecular Layer Deposition on Polymer Substrates: Utilizing Intrinsic Surface Chemistry for Low-Temperature Patterning |
| 12:30 – 12:45 | Oren Ben Porat , <i>Technion- Israel Institute of Technology, Israel</i>
MLD as a Platform to Probe How the Spatial Arrangement of Polyamide Density Governs Membrane Transport |

12:45 – 14:00 Lunch break

Session 9 (chairman: Robert Peter)

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| 14:00 – 14:15 | Luis Pinto , <i>Entalpic, France</i>
Steerable generative AI for the multi-objective identification of novel ALD precursors ONLINE |
| 14:15 – 14:30 | Anthony Tacnet , <i>University Claude Bernard Lyon, France</i>
High-quality piezoelectric LiNbO ₃ thin films grown by DLI-CVD enabled by patented fluorinated precursors |
| 14:30 – 15:00 | Chang-Yong Nam (invited) , <i>Brookhaven National Laboratory, USA</i>
Emerging Reaction Pathways in Vapor-Phase Infiltration in Polymers
ONLINE |

15:00 – 15:30 Closing ceremony