

ALD FOR INDUSTRY



Sponsored by

Conference & Exhibition | March 17 - 18, 2026 | Eindhoven, Netherlands

ALD for Industry 2026

The 9th International Conference ALD FOR INDUSTRY will again bridge the gap between fundamental science, industrialization and commercialization of this technology. Atomic layer deposition (ALD) is a process for depositing a variety of thin film materials from the vapor phase of matter. The growth of this technology is not only based in microelectronics applications, but also in areas of industrial Li-Ion batteries, photovoltaics, optics, light, biomedicine and quantum technology.

This event is already established since 2017 and attracts annually more than 100 participants and numerous exhibitors to visit Dresden. The Conference with Tutorial provides the opportunity to learn more about fundamentals of ALD technology, to get informed about recent progress in the field and to get in contact with industrial and academic partners. Increase your visibility and present your company in our accompanying exhibition.

This time, the Conference will take place in Eindhoven, Netherlands. We thank our cooperation partners and look forward to a interactive and inspiring event in international atmosphere.

Many thanks to the Program Committee and all authors for the preparation of the recent interesting program.

PROGRAM COMMITTEE

- Sean Barry, Carleton University, Canada
- Gloria Gottardi, Fondazione Bruno Kessler, Italy
- Christoph Hossbach, Applied Materials, Germany
- Martin Knaut, TU Dresden, Germany
- Harm Knoops, University Eindhoven & Oxford Instruments Plasma Technology, Netherlands
- Lie Luo, Beneq Oy, Finland
- Laura Nyns, IMEC, Belgium
- Fred Roozeboom, University Twente, Netherlands
- Dmitry Suyatin, AlixLabs, Sweden

ORGANIZER

European Society of Thin Films

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Media Partner



ALPIN

Atomic Layer Process Innovation Network

ALD4EMO



High Tech NL

Share innovation. Shape tomorrow.



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Experience the Eindhoven ALD Community - Company and Lab Tours

The Eindhoven University of Technology (TU/e) and SparkNano invite you to a **welcome event** at Eindhoven.

When? March 16, 2026 | Monday | 16:00 – 20:30

Where? Meet at TU/e at 16:00 and 18:00
Flux building (entrance) at TU/e campus,
De Groene Loper 19, Eindhoven

Schedule of Company Tours

- 16:00 Welcome at TU/e
- 16:15 Board shuttle to SparkNano & company tour (snacks and drinks)
- 18:00 Board shuttle back to TU/e & Tour of NanoLab cleanroom & ALD labs
- 19:00 Get together with drinks and food (soda, beer and pizza)
- 20:00 Expected end of the welcome event

SPARKNANO

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

This event is organized and sponsored by TU Eindhoven and SparkNano. Thank you very much!

Company Tour at SparkNano

SparkNano invites you to see innovative technology developments at industrial scale. Receive an exclusive factory tour hosted by industrial spatial ALD expert, Dr. Paul Poodt.

Tour of NanoLab cleanroom and ALD labs (Kessels & co-workers)



10+ ALD reactors incl. PEALD and spatial ALD

Program

Subject to change without notice

Tuesday, March 17, 2026

08:00 | Registration & Exhibition Construction

10:00 | Opening

TUTORIALS

10:15 | Tut01

Atomic Scale Processing: from Understanding to Innovation

Erwin Kessels, Eindhoven University of Technology, Netherlands

10:45 | Tut02

Characterization and control of stress in ALD films for industrial applications

Martin Knaut, Technical University Dresden, Germany

11:15 | Tut03

ALD on particles, applications for catalysis and energy

Ruud van Ommen, Delft University of Technology, Netherlands

11:45 | Lunch Break

Transportation time



*SparkNano to TU/e - Flux
<15 min. drive**

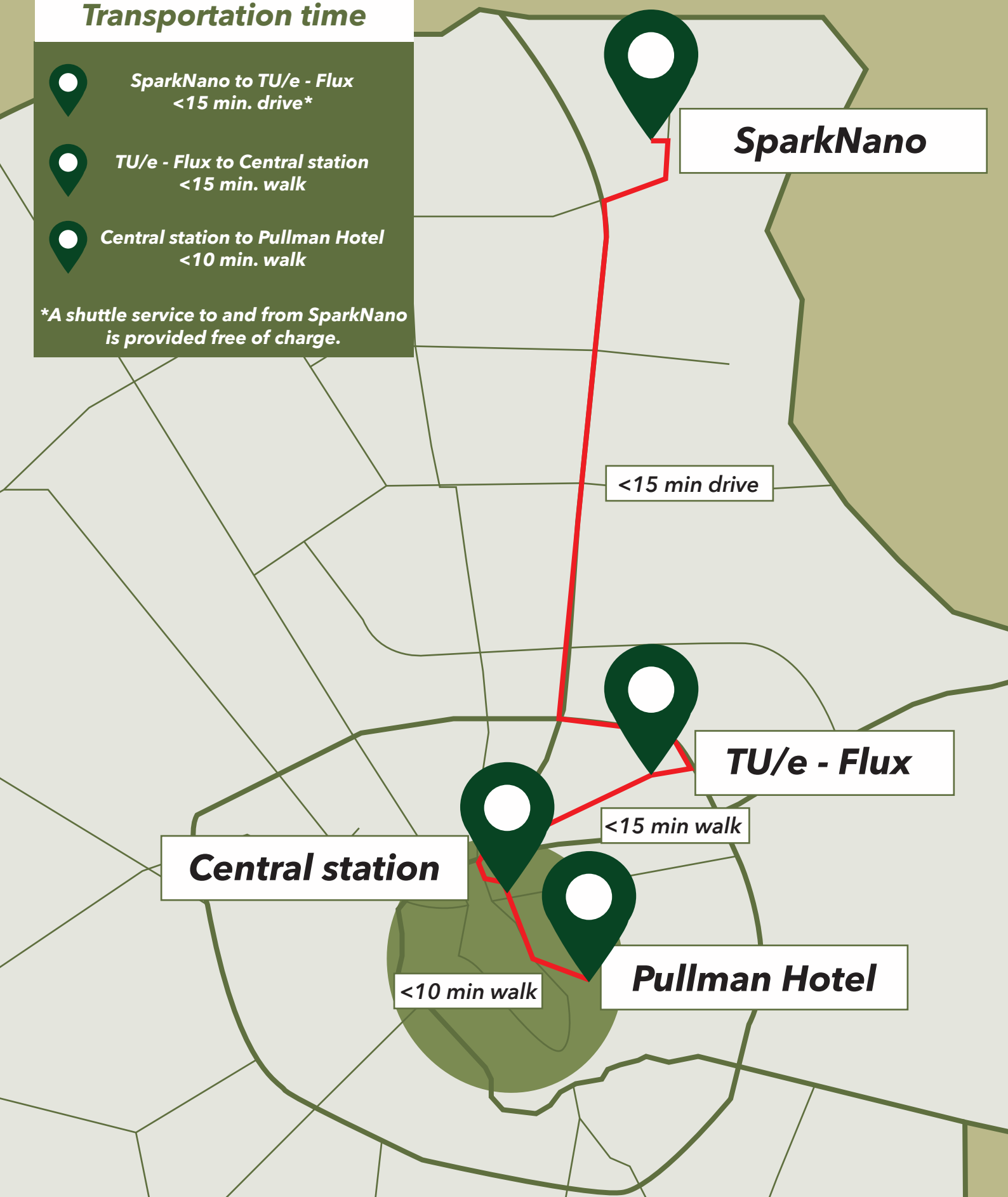


*TU/e - Flux to Central station
<15 min. walk*



*Central station to Pullman Hotel
<10 min. walk*

**A shuttle service to and from SparkNano
is provided free of charge.*



Eindhoven

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Tuesday, March 17, 2026

SESSION 1 | Semiconductor Equipment

13:00 | KN0100

Artificial Intelligence drives semiconductor innovation

Paul de Bot, TSMC Europe B. V., Netherlands

13:30 | OR0101

Semiconductor Equipment Part Coating Opportunities with Atomic Layer Deposition (ALD)

Alexander Perros, Beneq Oy, Finland

13:50 | OR0102

First-of-a-kind equipment for thin-film processing: from feasibility and design to volume manufacturing

Sorin G. Stan, VDL ETG Projects, Netherlands

14:10 | OR0103

Enabling Industrial ALD – Precision in Precursor Supply

Ehsan Mohseni, Sempa Systems GmbH

14:30 | OR0104

Past and Future of ALD in Electronics

Charles Dezelah, ASM, Finland

14:50 | Technical Talk

ForgeNano, USA

15:00 | *Coffee Break*

15:30 | NETWORK PRESENTATIONS

HighTechNL | Peter-Jan Hendrix, Eindhoven

ALD4EMO | Katrin Ferse, EFDS

ALPIN | Martin Knaut, TU Dresden, Germany

SESSION 2 | Optics and Photonics

16:10 | OR0201

High-Throughput Rotary Spatial ALD for Photonics and Semi Applications

Stephan Mingels, Bühler Alzenau GmbH

16:30 | OR0202

Spatial ALD for Large-area Optoelectronics: from Photovoltaics to Advanced Displays

Rong Chen, Huazhong University of Science and Technology, China

16:50 | OR0203

Batch Plasma Enhanced Atomic Layer Deposition for High Power Laser Applications

Adriana Szeghalmi, Fraunhofer-Institut für Angewandte Optik und Feinmechanik IOF, Germany

17:10 | TREND REPORT

Past, Present, and Future of ALD in Semiconductor Manufacturing

John West, YOLE Group, France

17:30 *Break*

17:30 – 18:30 *Poster Session*

19:00 | **Dinner**

@ Pullman Eindhoven Cocagne

directly at Event location

Room Wintertuin

*****In Registration Ticket included.**



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Wednesday, March 18, 2026

09:00 Opening

SESSION 3 | Future Applications - part 1

09:10 | KN0300

GaN Power Devices on 300mm Substrates

Stefaan Decoutere, IMEC, Belgium

09:40 | OR0301

Atomic layer processing for power electronics

Johannes Heitmann, TU Bergakademie Freiberg, Germany

10:00 | OR0302

Modelling the Thermal Properties of Benzimidazolium Bicarbonate Salts

Eden Goodwin, Carleton University, Canada

10:20 | OR0303

Making ALD sustainable

Job Soethoudt, IMEC, Belgium

10:40 *Coffee Break*

SESSION 4 | Future Applications - part 2

11:10 | OR0401

Implementing atomic layer deposition with adjacent technologies for advanced device fabrication

Eric W. Deguns, Ganesh Sundaram, Veeco ALD, USA

11:30 | OR0402

Roll-to-roll Spatial ALD for Li-ion batteries

Paul Poodt, SparkNano, Netherlands

11:50 | OR0403

Powder Atomic Layer Deposition at Manufacturing-Scale for Energy Applications and Additive Manufacturing

Matt Weimer, ForgeNano, USA

12:10 | OR0404

Fast remote plasma ALD and its applications

Harm Knoops, Oxford Instruments Plasma Technology, Netherlands

12:30 | *Lunch Break*

SESSION 5 | Materials and Monitoring

13:30 | OR0501

Ferroelectric Aluminum-Scandium Nitride by Plasma-Enhanced Atomic Layer Deposition under Ultrahigh Purity Conditions

Bruce Rayner, Kurt J. Lesker Company GmbH, Germany

13:50 | OR0502

Electronic and thermoelectric properties of thermal and plasma-enhanced ALD titanium nitride

Christoffer Kauppinen, VTT Technical Research Centre of Finland Ltd., Finland

14:10 | Technical Talks

Pegasus Chemicals, United Kingdom
Dockweiler Chemicals, Germany

14:30 | *Coffee Break*

15:00 | OR0503

Large Area Transition Metal Dichalcogenides by Atomic Layer Deposition

Nils Boysen, Fraunhofer-Institut für Mikroelektronische Schaltungen und Systeme IMS, Germany

15:20 | OR0504

Simulation of Hafnium Silicate ALD: Reaction Mechanisms and Film Growth Modelling

Andreas Zienert, Fraunhofer-Institut für Elektronische Nanosysteme ENAS, Germany

15:40 | OR0505

Reaction characterization and real-time anomaly detection using in situ full-range quadrupole mass spectrometry during ALD

Andreas Werbrouck, Ghent University, Belgium

16:00 End of the Conference

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Exhibition

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The Exhibition at the event will be open in parallel to the Workshop and the Tutorial. You can find experienced and competent partners for ALD tools, components, equipment and precursors. During the breaks you can inform yourself about new products and services.

The several breaks will give you the opportunity to speak with participants, speakers and exhibitors while having a coffee and snacks.

You will find the following exhibitors:

This list is incomplete and will be updated regularly.

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Poster Session

There is a lot of research and development activities around Atomic Layer Deposition and Atomic Layer Etching. You did not receive a talk? Use the chance and present a poster. This is a nice way to get in discussion with other colleagues.

A Poster Session will take place on Tuesday, March 17, 2026, at 17:30 in the afternoon. Posters will be visible over the whole event.

Submit your Poster now!

PO001 | *Surface Chemistry Model for Atomic Layer Deposition of Hafnium Silicate: Reaction Mechanisms and Process Simulation* | Xiao Hu, Fraunhofer ENAS, Germany

PO002 | *ALD Activities at Fraunhofer IMS: Tools, Materials and Applications* | Noah Brechmann, Fraunhofer IMS, Germany

PO003 | *Pre-Deposition Approaches for Advanced Electrical and Structural Evaluation of HAR Test Structures* | Jussi Kinnunen, Chipmetrics, Germany

PO004 | *Spatial Atomic Layer Deposition: A Key Enabling Technology for Flexible Electronic Device Encapsulation* | Hindrik de Vries, SALD B. V., The Netherlands

PO005 | *ALD activities at the Leibniz Institute for Solid State and Materials Research Dresden* | Sebastian Lehmann, Leibniz IFW, Germany

Further Poster Presentations will be added here.

Poster Submission Deadline: January 31, 2026

Present your research and development results to an international community!

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Registration

[Link to Registration](#)

Conference Tickets

Price*

Standard ticket | early bird

830 EUR

Standard ticket | after January 31, 2026

930 EUR

Student ticket / Student Poster

420 EUR

Poster Presenters

730 EUR

The registration fee includes the participation of the chosen event, conference booklet, coffee and lunch breaks as well as the Get-Together.

*Workshop fees are free of VAT according to §4 (22a) UStG (German value-added tax law)

Exhibition & Sponsoring

Gold Sponsor

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Logo @ event website

X

X

Logo @ front page of printed program booklet

X

Advertisement in the
printed program booklet

Half page

Full page

1 presentation spot at the event
(table + place for one roll-up)

X

X

1 person free of charge

X

X

A presentation slot (10 min advertisement or
20 min expert presentation)

X

2.200 EUR**

2.700 EUR**

Your chance to present your products and services to the community of Atomic Layer Deposition and their applications. **All prices for sponsors are exclusive VAT.

The general terms and conditions of sale of EFDS apply (www.efds.org/en/agb).
Cancellations must be made in written form.

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Travelling

Event Location

PULLMAN EINDHOVEN COCAGNE

VESTDIJK 47

5611 CA EINDHOVEN – THE NETHERLANDS

T. +31 40 232 6195 -- F. +31 40 232 6155

reservations.pullmaneindhoven@accor.com

www.pullman-eindhoven-cocagne.com

Hotel Recommendations

Pullman Eindhoven Cocagne (Venue) |

Vestdijk 47 | 5611 CA Eindhoven | The Netherlands

Superior rooms from €199,00 per room per night, including breakfast and excluding city tax (€5,25 per person, per night), for one guest.

Please book via the following booking link:

<https://book.passkey.com/e/51154965>

Further Hotels

Hotel Mariënhage | Kanaalstraat | 45611 CT Eindhoven

(NL) | Phone: +31 40 311 14 44 | Mail:

info@marienhage.com

Park Plaza Eindhoven | Geldropseweg 17, 5611 SC

Eindhoven (NL) | Phone: +31 40 214 6500, Mail:

ppeinfo@pphe.com

Sandton Eindhoven Centre | Stratumsedijk 23D, 5611 NA

Eindhoven (NL) | Phone: +31 40 212 13 30, Mail:

receptie.eindhoven@sheetz.nl

