

22nd international Coating Symposium



Program Day I – Renewable energies for Net Zero by 2025

Tuesday, November 7th, 2023

9.30 am		Registration for short course
10.00 am	– 12.15 pm	Slot die coating thin layers and low viscosity COATEMA COATING MACHINERY GMBH, Thomas Exlager, Dr. Pegah Shakeri, Kira Grefkes, Harmen Rooms
12.15 pm	– 1.00 pm	Lunch break
1.00 pm	– 1.15 pm	Introduction Coatema COATEMA COATING MACHINERY GMBH, Thomas Kolbusch, Director Sales, Marketing, Technology, VP
1.15 pm	– 1.45 pm	Spatial Atomic Layer Deposition (ALD) for batteries, fuel cells, packaging and solar SALD B.V., Netherlands, Erik Kremers – CTO
1.45 pm	– 2.15 pm	OPV development to the Giga Fab (Flex2Energy) OET (ORGANIC ELECTRONIC TECHNOLOGIES P.C.), Greece, Evangelos Mekeridis – CTO
2.10 pm	– 2.30 pm	Sustainable pumps for battery production NETZSCH PUMPEN & SYSTEME GMBH, Erwin Weber, EMEA-Direktor
2.30 pm	– 3.00 pm	Quality control systems inline for fuel cells DR. SCHENK GMBH, Germany, Martin Lehmköster – Sales Manager
3.00 pm	– 3.30 pm	Fuelcell2Print: Digital material deposition for catalyst coated membrane production HELIOSONIC – ALTANA AG, Germany, Dr. Frank Walter – Head of consumables & application development Heliosonic
3.30 pm	– 4.00 pm	Coffee break
4.00 pm	– 4.30 pm	Coating Control – intelligent networked edge alignment for renewable energy BST GMBH, Germany, Kai Prah – Area Sales Manager – New Energy
4.30 pm	– 5.00 pm	Open innovation in Europe to support green transition of SME and industry KET MARKET, Germany, Dr. John Fahlteich – Managing Director
5.00 pm	– 5.15 pm	Overview on the trials in the afternoon
5.15 pm	– 6.00 pm	Trials: ✓ Trial 01: Slot die coating ✓ Trial 02: Screen printing Supplier exhibition Heliosonic: Laser to print fuel cells Keyence: Thickness measurements BST: What is needed for intermittent coatings – Layer inspection and coating control Dr. Schenk: EasyInspect: local defects, measurements and material properties Ket Market: Bringing all partners together Netzsch: Pumping and dosing systems Haehne: Web tension control and force measurement in coating and converting processes Isra Surface Vision: Process excellence for battery production through vision data: Enhanced automated inline inspection for cell components Sequip: Agglomeration detection under process condition
6.00 pm	– 6.15 pm	Panel discussion

Tuesday evening

6.30 pm		Shuttle to conference event
6.45 pm		Get-together dinner – Venue: Culinario, Römerstraße 40, 41539 Dormagen

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Program Day II – Renewable energies for Net Zero by 2025

Wednesday, November 8th, 2023

9.00 am		Welcome
		COATEMA COATING MACHINERY GMBH, Thomas Kolbusch – Director Sales, Marketing, Technology, VP
9.15 am	– 9.45 am	The need for OPV and Perovskite products made in Europe for solar, batteries and fuel cells
		ARISTOTLE UNIVERSITY OF THESSALONIKI, Greece, Prof. Stergios Logothetidis – Lab for Thin Films-Nanobiomaterials-Nanosystems & Nanometrology (LTFN)
9.45 am	– 10.15 am	Simulation – Digital twin in coating industry
		COATEMA COATING MACHINERY GMBH, Dr. Pegah Shakeri – R&D Manager
10.15 am	– 10.45 am	The role of slitting technology for reaching Net Zero by 2025 – challenges & chances
		DIENES WERKE FÜR MASCHINENTEILE GMBH & CO. KG, Germany, Julian Supe-Dienes – Sales Director
10.45 am	– 11.00 am	Coffee break
11.00 am	– 11.30 am	High efficient diode lasers for drying applications of electrodes and beyond
		LASERLINE GMBH, Germany, Dr.-Ing. Simon Britten – Technology Manager / New Business Development
11.30 am	– 12.00 pm	Inline quality control system for organic electronics
		SEMILAB FÉLVEZETŐ FIZIKAI LABORATÓRIUM ZRT., Hungary, Christophe Defranoux – R&D Marketing Manager
12.00 pm	– 12.30 pm	Surface inspection and measurement solutions for web material used in fuel cells
		KEYENCE DEUTSCHLAND GmbH, Germany, Johannes Schuler – Business Development Optical measurement technology
12.30 pm	– 1.30 pm	Lunch break
1.30 pm	– 2.00 pm	Overview on Coatema R&D projects
		COATEMA COATING MACHINERY GMBH, Harmen Rooms – Manager R&D
2.00 pm	– 2.30 pm	Process optimization enabled by Digital Twins
		REAL-TIME SYSTEMS GMBH, Germany, Jürgen Kreis, Director Business Development Solutions
2.30 pm	– 3.15 pm	Trials:
		✓ Trial 01 – 5-Roller-system and flotation dryer demonstration
		✓ Trial 02 – Slot die coating and laser drying
		Supplier exhibition
		Heliosonic: Laser to print fuel cells
		Keyence: Thickness measurements
		BST: What is needed for intermittent coatings – Layer inspection and coating control
		Dr. Schenk: EasyInspect: local defects, measurements and material properties
		Ket Market: Bringing all partners together
		Netzsch: Pumping and dosing systems
		Haehne: Web tension control and force measurement in coating and converting processes
		Isra Surface Vision: Process excellence for battery production through vision data: Enhanced automated inline inspection for cell components
		Sequip: Agglomeration detection under process condition
3.15 pm	– 3.30 pm	Q&A session and closing remarks