

## Program Day I – Coating technologies – what is the next thing?

Tuesday, November 26<sup>th</sup>, 2024

9.30 am Registration for short course

10.00 am – 12.15 pm Basics of slot die coating and drying

COATEMA COATING MACHINERY GMBH, Kira Grefkes – Manager R&D centre, Harmen Rooms Manager R&D

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 Rheology of renewable inks

ANTON PAAR GERMANY GMBH, Dr. Christoph Winkler

1.45 pm – 2.15 pm Fully automated giga fab for OPV solar cells

OET (ORGANIC ELECTRONIC TECHNOLOGIES P.C.), Greece, Evangelos Mekeridis – CTO

2.15 pm – 2.45 pm Inline quality control system for OPV development

LTFN, Dr. Christos Kapnopoulos

2.45 pm – 3.15 pm Optimized design of coating systems to reduce energy consumption and CO<sub>2</sub> emissions

KROENERT GmbH & Co KG, Andrea Glawe – Sales Director Kroenert

3.15 pm – 3.45 pm Spatial ALD development R2R

SALD B.V., Netherlands, Erik Kremers – CTO

3.45 pm – 4.00 pm Coffee break

4.00 pm – 4.30 pm Surface energy and surface tension for coating and drying

MaterialsXpertise, Netherlands, Dr. Mariëlle Wouters

4.30 pm – 5.00 pm Non-contact measurement of sheet resistance of conductive layers on R2R applications

NAGY INSTRUMENTS, Germany, Tim Emmerich – Technical Sales

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 with conductive films and inline measurement

✓ Trial 02: Inline web vibration measurement

Supplier exhibition

6.00 pm – 6.15 pm Panel discussion

## Tuesday evening

6.30 pm Shuttle to conference event

6.45pm Get-together dinner

## Program Day II – Coating technologies – what is the next thing?

Wednesday, November 27<sup>th</sup>, 2024

9.00 am		<b>Welcome</b> COATEMA COATING MACHINERY GMBH, Thomas Kolbusch – Director Sales, Marketing, Technology, VP
9.15 am	– 9.45 am	<b>Laser drying of battery anodes</b> COATEMA COATING MACHINERY GMBH, Kira Grefkes – Manager R&D centre
9.45 am	– 10.15 am	<b>Simulation – Digital twin in coating industry</b> EWtech, Germany, Nick Neubert
10.15 am	– 10.45 am	<b>Inline Quality control system</b> ISRA Vision, Germany
10.45 am	– 11.00 am	<b>Coffee break</b>
11.00 am	– 11.30 am	<b>Digital CCM fabrication for fuel cells</b> HELIOSONIC – ALTANA AG, Germany, Dr. Frank Walter – Head of consumables & application development Heliosonic
11.30 am	– 12.00 pm	<b>Coating Control – intelligent networked edge alignment for renewable energy</b> BST GMBH, Germany, Kai Prael – Area Sales Manager – New Energy
12.00 pm	– 12.30 pm	<b>Overview on Coatema R&amp;D projects</b> COATEMA COATING MACHINERY GMBH, Harmen Rooms – Manager R&D
12.30 pm	– 1.30 pm	<b>Lunch break</b>
1.30 pm	– 2.00 pm	<b>Simulation and digital twins</b> COATEMA COATING MACHINERY GMBH, Dr. Sven Bonus
2.00 pm	– 2.30 pm	<b>Inkjet printing of conductive inks</b> NN
2.30 pm	– 3.15 pm	<b>Trials:</b> ✓ Trial 01: LIFT digital printing ✓ Trial 02: Slot die coating and laser drying <b>Supplier exhibition</b>
3.15 pm	– 3.30 pm	<b>Q&amp;A session and closing remarks</b>