



FLOIM

Flexible Optical Injection Moulding of optoelectronic devices

FINAL EVENT FLOIM PROJECT

April 28th 2022 | HALL A5 - ROOM A51

LASER World of PHOTONICS



ORGANISED BY



FUNDED BY



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AIMEN Technology Centre, as coordinator of the **FLOIM project**, is hosting an event presenting the last technological breakthroughs in injection moulding of optoelectronic devices. Come discuss about:

- In-mould error positioning compensation and nanometric mould filling sensors.
- Micro-optical mould inserts manufacturing by direct laser writing, machining, and DLC based patterning.
- One-stop-shop for free-form micro-optics.

DATE AND PLACE

April 28th 2022, from 9.30 to 11.30 hours.

Laser World of Photonics - Messe München - HALL A5 - room A51

PROGRAMME

- 9.30 to 9.40h **FLOIM: Flexible Optical Injection Moulding of optoelectronic devices**
AIMEN Technology Centre
Nerea Otero
- 9.40 to 9.55h **In-mould measurement for mechatronic compensation of positioning errors in injection overmoulding**
RECENDT
Christian Rankl
- 9.55 to 10.05h **Fiber-optic based metrology for nanometric measurement of micro-mould filling by a polymer**
ADAMA
Majid Fazeli Jadidi
- 10.05 to 10.20h **Femtosecond laser fabrication of volume and surface-relief micrometric phase gratings**
CEIT
Mikel Gómez Aranzadi
- 10.20 to 10.35h **Challenges in the machining of micro-optical mould inserts**
Fraunhofer IWU
Jan Edelmann
- 10.35 to 10.45h **High-performance DLC-based mould patterning technology with high control over micro and nano features**
ADAMA
Zahra Gholamvand
- 10.45 to 11.00h **European Pilot Line and one-stop-shop for free-form micro-optics**
PHABULOUS Pilot Line Association
Jessica van Heck
- 11.00 to 11.30h **Networking coffee – Clustering with PULSATE Project**
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