LANE 2022 - 12th CIRP Conference on Photonic Technologies

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Title	LANE 2022 - 12th CIRP Conference on Photonic Technologies
When	Do, 4. August 2022 - Mo, 8. August 2022

Description

LANE 2022 - 12th CIRP Conference on Photonic Technologies

Modern research has to act on social, economic and environmental developments to provide solutions for the existing and upcoming global challenges. For this reason, LANE offers a platform for an international exchange of ideas, opinions, perspectives, results and solutions concerning photonic technologies. In order to give a detailed overview, the conference aims not only at scientific contributions, but integrates the industrial perspective and their relevance for application as well.

In particular, the conference program consisted many talks covering the following topics:

Laser Material Processing:

- Additive Manufacturing
- Beam Sources & Components
- Laser Assisted Processes
- Laser Beam Cutting & Drilling
- Laser Beam Welding, Brazing & Soldering
- Laser Safety
- Precision Processing with Short & Ultrashort Pulses
- Sensing & Control
- Simulation & Modelling
- Surface Treatment & Forming

Emerging Technologies:

- Fast Beam Manipulation & Beam Shaping
- Machine Learning & Artificial Intelligence (AI)
- Material Processing in the Visible Wavelength Range

Hot Topics:

- Future Mobility: Batteries & Fuel Cells
- Industry 4.0 & Digitalization

Special Sessions:

- CRC 814 & SPP 2122

- Country Special: Additive Manufacturing in Sweden

Learn more about the upcoming event by visiting organizers website:

https://www.lane-conference.org/

Venue - Fürth

Location	Fürth
City	Fürth
Country	DE