



# LaserEMobility

## WORKSHOP 2023

| March 13 – 14, 2023 |  
| Politecnico di Milano |  
| Milan | Italy

### Call for Speakers

LaserEMobility Section of AITeM – Italian Association of Manufacturing invites you to join the upcoming Workshop on March 13 – 14, 2023, in Milano. Following the success of the 2022 edition, the LaserEMobility Workshop 2023 continues to be a place of discussion for an international audience from industry and academia working on laser-based processing in electric vehicle manufacturing.

Politecnico di Milano will host the in-person two-day event expecting participants from research, laser component manufacturing, system integration, and application communities. In addition to technical presentations targeting an international audience, the latest technological trends will be presented in an exhibition zone. A guided laboratory tour will give hands-on insights into academic laser research.

Scientific and industrial abstracts can be submitted for oral and poster presentations. Selected contributions will be invited for submission to "LaserEMobility 2023 – Lasers as enabling manufacturing tools in e-mobility" special issue of *Lasers In Manufacturing and Materials Processing* journal.

### Scientific Program

The next decade will see an increased use of electric vehicles. Laser-based manufacturing methods are key for an efficient and high-quality electric vehicle production. The presentations will cover application-oriented topics over the whole field of laser material processing for electromobility, including:

- Battery cell and system manufacturing
- Processing of new battery materials and technologies
- Electric drivetrain manufacturing
- Fuel cell manufacturing
- Lightweight construction
- Process monitoring and control
- Digitalization and data-driven process optimization
- Sustainable electric vehicle manufacturing

### Workshop Chairs

**Ali Gökhan Demir**  
*Politecnico di Milano*

**Alessandro Fortunato**  
*Università di Bologna*

**Michael F. Zäh**  
*Technical University of Munich*

### Organizing Committee

**Alessandro Ascari**  
*Università di Bologna*

**Leonardo Caprio**  
*Politecnico di Milano*

**Francesco Galbusera**  
*Politecnico di Milano*

**Sophie Grabmann**  
*Technical University of Munich*

**Johannes Kriegler**  
*Technical University of Munich*

**Erica Liverani**  
*Università di Bologna*

### Important Dates

**Abstract Submission Start**  
*October 10, 2022*

**Abstract Submission Deadline**  
*December 31, 2022*

**Registration Start**  
*January 9, 2022*



For more information visit

[www.aitem.org/laseremobility-workshop](http://www.aitem.org/laseremobility-workshop)