LOAD-NM-ICALEO Event Call

Laser and optical processing and manufacturing for advanced energy materials and devices (LOAD)

Organizers:
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Submission deadline: April 1, 2017

This workshop will cover the latest laser-based process technologies and manufacturing for green energy applications and energy storage devices. We would highlight new laser processes for the development of advanced energy devices such as batteries (lithium, post-lithium), supercapacitors, photovoltaic cells and panels, fuel cells, photo electrolytic devices for biofuel, and other systems and materials for renewable energy sources.

Academic researchers, industrial engineers and government policy makers are welcome! This workshop is part of nanomanufacturing conference of ICALEO2017 (www.lia.org/conference/icaleo) at Atlanta, GA, USA during October 22-26, 2017. So, please submit your abstract with the subject of “Nanomanufacturing/LOAD” to Nanomanufacturing Conference of ICALEO2017.
Topics are related to laser processes, laser sources and optics and include but not limited to:

Energy storage materials
Batteries, supercapacitors
Solar cells
Additive manufacturing
Printing, LIFT
Laser direct writing
Laser reduction, modification
Annealing (e.g., drying of electrodes, thin film annealing)
Welding and bonding
Cutting, slitting, notching, drilling, ablation
Structuring and functionalization of thick and thin films
Process up-scaling (laser, optics, scanner)
Wearable and flexible energy devices
Electrode materials and device packaging
Material and device development
Processing costs analysis