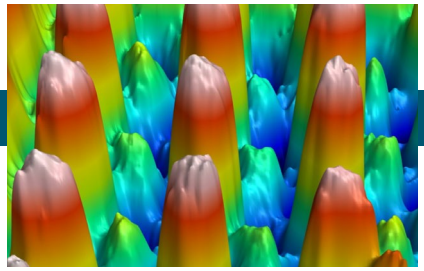
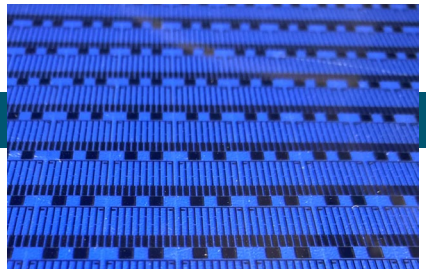
Workshop on Laser Patterning and Surface Modification for Bioengineering, Energy, and Optoelectronics Applications

February 17 – 20, 2025

The Rose Event Center – 1119 Washington Ave., Golden, CO USA 80401

The workshop includes Plenary Talks, Panel Discussions, Poster Sessions, Networking Meals, Short Courses, & Tours of Local Laboratories





Lasers provide access to materials processing space otherwise unattainable for realization of novel materials and technologies in diverse areas of high impact.

Example topics of interest include:

- Rapid patterning of features for optical and electronic devices without photolithography for sensors, IoT devices, and energy harvesting systems
- Laser-based materials conversion and synthesis in applications including low-power computing, multifunctional 'More than Moore' electronic device technology, and photocatalysis applications
- Laser processing in additive manufacturing and other production processes for healthcare applications (medical diagnostics and biosensors, prosthetics and implants) and sustainable energy production (solar arrays, reducing friction and wear)

Only a limited number of poster presentations will be accepted so act quicky to submit an abstract for the workshop poster session!

Workshop organizers:

***Christopher Muratore** *IUVSTA SED Chair* (University of Dayton, Dayton, OH, USA)

Shahram Amini (Pulse Technologies, Quakertown, PA, USA)

Blake Corrigan (Keyence Corporation, Denver, CO, USA)

Andy Korenyi-Both (Woodward Corporation, Fort Collins, CO, USA)

Mike Simmons (Intellivation Inc., Loveland, CO, USA)

Andrey Voevodin (University of North Texas, Dallas, TX, USA)

**Contact: cmuratore1@udayton.edu for workshop information and additional details*

SVC Workshop Partner

CLICK HERE to submit an abstract to 2025 Workshop on Laser Patterning and Surface Modification for Bioengineering, Energy, and Optoelectronics Applications