

# Electro-Optics and Photonics

## Stander Symposium Special Oral Session

### Science Center 62; April 24, 2019

1:00-1:15: Characterization of fabricated photodetectors, *Roseanna Lawandi*

1:15-1:30: Thermal profile engineering with multi-beam laser additive manufacturing, *George Lewandowski*

1:30-1:45: Laser assisted 3D printing of nanostructures, *Md Shah Alam*

1:45-2:00: Bubble-in-a-droplet based surface enhanced Raman scattering substrate for ultra-sensitive chemical and biosensing, *Farzia Karim*

2:00-2:15: GeSn gain spectrum measurement and GeSn-on-Si mid-IR laser, *Zairui Li*

2:15-2:30: **Break**

2:30-2:45: Confocal scanning imaging system for surface characterization in laser additive manufacturing systems, *Yujie Yang*

2:45-3:00: Investigation of spontaneous emission GeSn for thin film alloys, *Elaheh Ghanati* [withdrawn]

3:00-3:15: Hyperdoping silicon for intermediate band photoconductivity, *Yining Liu*

3:15-3:30: Maskless nanopatterning of non-volatile phase change material  $\text{Ge}_2\text{Sb}_2\text{Te}_5$  for opto-electronic applications, *Joshua Burrow*