

**The 10<sup>th</sup> Annual US-Korea Forum on Nanotechnology**

**Poster: Laser-assisted micro/nanoscale material processing and in-situ diagnostics**

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Lasers have proven to be efficient tools in a variety of micro/nanoscale material processing and diagnostics. In this poster, we will focus on presenting recent research activities on the laser-assisted nanomanufacturing and diagnostics. Examples include laser-assisted selective processing of nanoelements for solar and display applications, optical near-field array based scalable nanomanufacturing towards improved processing throughput, and optical and electron microscope based advanced in-situ diagnostics.