## AIM Photonics – How Integrated Optics can Benefit from Nano-electronics

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**Abstract**: The recently established American Institute for Manufacturing Photonics (AIM Photonics) is a manufacturing consortium headquartered in NY, with funding from the US Department of Defense (DoD), New York State, California and Massachusetts, and industrial partners to advance the state of the art in the design, manufacture, testing, assembly, and packaging of integrated photonic devices. Dr. Michael Liehr, CEO of AIM Photonics, will describe the technical goals, operational framework, near-term milestones, and opportunities for the broader photonics community.

The scope of AIM Photonics will span several industry segments, with the most prominent and near term commercial segment of Datacom applications, to analog/RF, array and sensor applications that are expected to mature at a later time. The institute will focus most of its resource to develop an infrastructure in electronic-photonic design automation, a multi project wafer offering, as well as test, assembly and packaging. These efforts are focused on the support of larger companies, SMEs, universities and federal agency needs. We have established AIM Academy, an organization under the institute that fosters education and workforce development. Lastly, we are developing a plan to closely coordinate and merge with the existing integrated photonics road mapping activity.

In addition to a description of AIM Photonics, a short overview of SUNY Poly capabilities to expand the AIM scope of MRL 4-7 to MRL 8 will be given.