



**Technology as a Service – Leading Edge R&D in a  
200mm Fab**

**Dr. Robert Wortman  
Principal Process Development Engineer  
SkyWater Technology**

**Monday, February 6th - 3:00 pm-4:00 pm  
BRK\_1001**

**Abstract:**

A dynamic world drives our industry. The foundry segment, to keep up, must embrace new materials, new architectures, heterogeneous integration, and new ways of enabling capability. The 200 mm fab, long obsolete for leading-edge CMOS, nonetheless operates in a sweet spot of cost and flexibility that can support unconventional thinking without the constraints of total automation. We will explore several illustrative case studies, and show how these facilities hold the key to the next waves of innovation using the Technology as a Service (TaaS) model.

**Bio:**

Dr. Robert Wortman is a Principal Process Development Engineer at SkyWater Technology. He graduated most recently from Purdue with a Ph.D. in Electrical Engineering in 2013, researching metal/semiconductor superlattices for thermoelectric energy conversion. After that he worked at Harris Corporation (now L3Harris Technologies) for more than 8 years in the microelectronics department working on various projects in the fields of packaging, MEMS, photonics, and RF. He has been at SkyWater for a little over a year and is working with customers to transfer and improve their technologies and processes for production at SkyWater.

**Host:**

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