

SESSION 1: PLENARY I – GaAs INDUSTRY OVERVIEW

Chair: Scott Sheppard, *Cree, Inc.*

Technology built with compound semiconductor GaAs and related materials is chief in our industry and the major contributor of papers and attendees at our conference. Therefore, it is with great pleasure that we open the conference with an overview of several facets of this industry. The conference starts with the Vice President of Operations at TriQuint Semiconductor in Texas, Dr. Howard S. Witham, who will share his expertise on the challenges of short-lifecycle products and manufacturing operation's role in fast-paced product launch. This is an extremely valuable presentation for future winners in the market of increasing RF content in high-volume commercial electronics. As the consumer demands newer generations of electronics at a higher rate, the operations branch must have systems in place for near instantaneous ramp with minimum cycle time and high yield. Complementary to Integrated Device Manufacturing in our industry are the companies for whom their product is the pure-play manufacturing processes only. Component and MMIC foundry services enable high-flexibility and broad-based innovation of new RF products across the entire industry with high-quality, low-cost and short cycle times. Two top-level reviews of GaAs foundry business models and their future will be given by Mr. David Danzilio, Senior VP of Technology at WIN, and Mr. Jerry Curtis, CEO of Global Communication Semiconductors. Both of these invited speakers will discuss current and future challenges of this indispensable part of the overall RF semiconductor supply chain, especially as the GaAs content in mobile devices will continue to increase. An added advantage lies with the foundry offering that can accommodate small-volume custom products that leverage cost infrastructure alongside high-volume manufacturing and technical expertise of pure-play. Finally, this opening session of the conference finishes with a GaAs industry overview and forecast through 2016 by Eric Higham of Strategy Analytics, Inc. His paper focuses on the review of 2011 GaAs substrate and component markets, but will also give insight into the projected trends, drivers and estimated market performance of GaAs through 2016.

