

The Advanced Foundry in the Consumer Electronics Era

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Consumer electronics are emerging as the most important driver for the future growth of the semiconductor industry. In this new era, time to market, time to volume and the competitive cost structure of new products are critical for success. The critical needs are challenging the semiconductor industry to develop manufacturing solutions that encompass increasing IC complexity, short product life-times, dynamic demand and extreme cost pressure. Foundry fabs that possess the advantages of advanced technologies, competitive manufacturing capability, and intimate collaboration along the whole industry supply chain will offer the fittest and most timely services to their customers. This keynote speech will discuss the industry requirements to meet these important challenges with illustrations of how tsmc is addressing them.