

SESSION 6a: MANUFACTURING

Chair: Arnold Chen, *Aurion*

This year's manufacturing session covers a broad range of manufacturing topics. All of us undoubtedly, both personally and professionally, felt the devastating impact of the Japan earthquake and tsunami. It is a testament to Japan how quickly businesses were able to resume production. Our first paper from Hitachi Cable provides an updated view of how the Japanese CS industry was (and is) affected and some first-hand insight of some their lessons learned. The second paper discusses the process transfer of a GaN on Si HEMT process from Nitronex to GCS. They present the methodology and strategy that led to a successful transfer. The third talk in the session is a nuts and bolts epi manufacturing paper from RFMD where they discuss their novel organization structure of their maintenance team and how it led to increased uptime and increased yield. The last paper of the session involves the manufacturability of epitaxial lift-off from Microlink Devices. They review the scalability of large area lift-off and their application to solar cells.