

SESSION X

Materials

Chair: Kenneth Elliott, Hughes Research Lab

It is easy to overlook the fact that all semiconductor manufacturing is made possible by the unique electrical properties of semiconductor materials. The state of materials technology has driven the economics and performance of the semiconductor industry. The high electron mobility of III-V materials has been the driving force behind the emergence of III-V manufacturing technology. Improvements in the economics and quality of the materials has a direct bearing on the success of III-V manufacturing. This session contains papers which represent examples of the impact of material growth techniques on the III-V manufacturing process.