



e-conversion



# Seminarankündigung

**Dienstag, 27. Juli 2021**

**13:00 Uhr**

**ONLINE via ZOOM**

<https://tum-conf.zoom.us/j/66898108818>

Meeting-ID: 668 9810 8818

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## **“Selective area epitaxy for electronic and photonic device integration”**

Selective growth techniques for semiconductors became very popular thanks to the large interest in nanowire structures and have flourished accordingly over the past 20 years. In this talk I will report on activities that have been pursued in our group by the use of selective area growth in templates for III-V semiconductors on Si for microelectronic (transistor) and photonic (laser) applications. Here key emphasis is given to an integration path resembling traditional manufacturing processes. On a more exploratory side, I will motivate and review our activities on the synthesis of semiconductors in thermodynamic less stable crystal phases.

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