



# ICMOVPE XXII

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## **Dr. Tim Wernicke**

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Dr. Tim Wernicke is the head of the epitaxy laboratory in the research group of Prof. Michael Kneissl “Experimental Nanophysics and Photonics” and responsible of the group’s MOVPE facility. He completed his PhD in 2010 in the Ferdinand-Braun-Institut (FBH) supervised by Markus Weyers and Michael Kneissl. 2010 he moved to the TU Berlin in his current position.

His research interests are the growth of advanced III-nitride materials and photonics devices by metalorganic vapor phase epitaxy focusing mainly on LEDs and laser diodes in the UV spectral range. This spans a broad range from the growth of AlN and AlGaIn buffer layers, the influence of growth parameters on doping, conductivity, morphology, and device efficiency, and the design, analysis, and degradation of photonic devices.

Tim Wernicke is coauthor of >150 papers, 2 book chapters and 2 patents, and received the Harold M. Manasevit Young Investigator Award of the American Association for Crystal Growth for outstanding contributions to the field of Metalorganic Vapour Phase Epitaxy in 2017.