

Competitive Materials Science for the Realization of μm -sized LEDs Enabling All-Nitride Displays for AR/VR

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Abstract—

Lars Samuelson received his PhD in Physics from Lund University in 1977, followed by Post-doc at IBM Research in California. He is a Member of the Royal Swedish Academy of Sciences (Physics) and of the Royal Swedish Academy of Engineering Sciences. He is Fellow of the Inst. of Physics (FInst), Fellow of the American Physical Society, APS (Materials Physics), and Int. Fellow of the Japanese Society of Applied Physics, JSAP. In 2022 he was given the top award from the Royal Swedish Academy of Engineering Sciences, the “Great Gold Medal”. In November 2023 he was elected as Foreign Member of the Chinese Academy of Sciences, CAS. His research is focused on nanoscale materials physics, with a special focus on epitaxial growth, optical properties and on potential applications in optoelectronics. Samuelson is the author of well over 700 articles with h-index of 108 by Google Scholar and 91 by Web-of-Science, also listed here in the top 1% of most highly cited researchers. In November 2023 he was elected as Foreign Member of the Chinese Academy of Sciences.

