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## **Prof. Tetsuya Takeuchi**

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Tetsuya Takeuchi is a professor in Department of Materials Science and Engineering, Meijo University. His main research area is optoelectronic devices, such as LEDs and lasers, leveraged with MOVPE growth. He is one of the pioneers to investigate optical properties of GaInN QWs with the piezoelectric polarization charges and propose a growth of non-(0001) orientated substrates. He also demonstrated the first GaInN-based tunnel junction and the first GaN-based VCSEL with the n-type conducting AlInN/GaN DBR. Currently, he is working on developments of in-situ monitoring of MOVPE growth, tunnel junctions, polarization doping, AlGaIn-based DUV LEDs and GaN-based VCSELs.