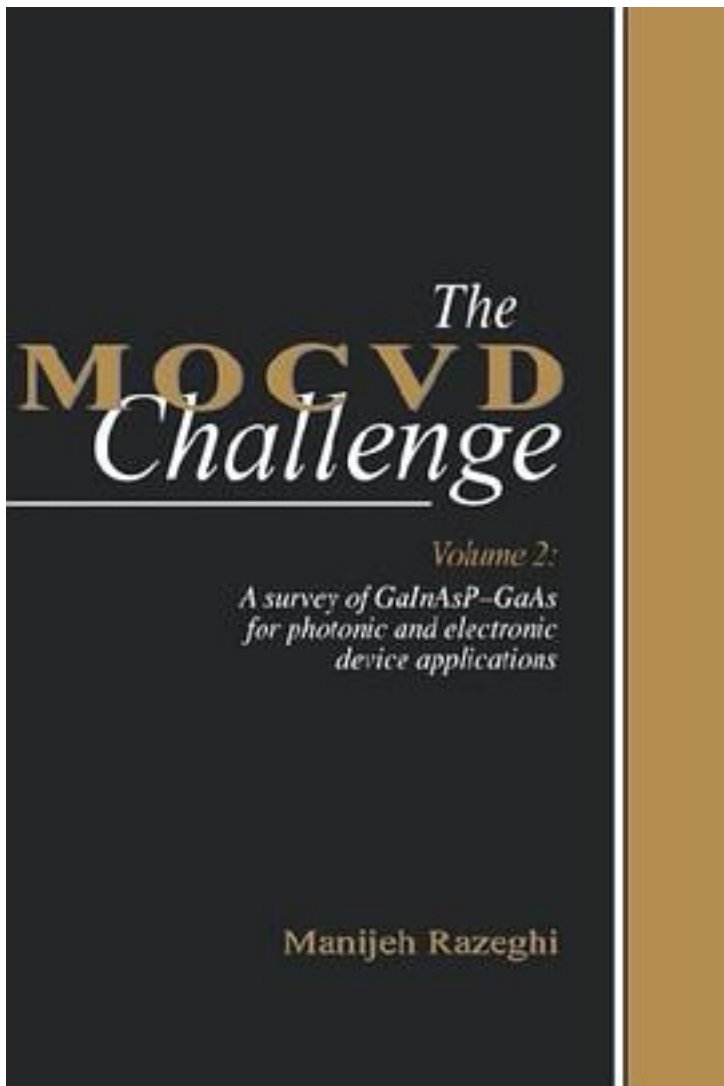


The MOCVD Challenge (Mocvd Challenge)



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This second volume focuses on MOCVD growth of GaAs and related alloys and GaInP for photonic and electronic applications. Coverage begins with III-V compounds and devices and growth techniques for multilayers and heterostructures. The book then details how an MOCVD system works and how design affects material growth and sourcing of precursor materials. It also examines ⁱⁿ- and ^{ex}-situ growth techniques and the GaInPGaAs system, including optical investigations of quantum wells and superlattices. The book concludes with a discussion of the current use, novel developments, and future potential for optical devices, GaAs-based lasers and heterojunctions, and optoelectronic integrated circuits.

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