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## Trends in Nano- and Micro-Cavities

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### About the ebook

This ebook is a collection of cutting edge articles from the 2009 Workshop on Microcavities and their Applications (WOMA 2009). Two major themes covered in this ebook are (i) wave- and ray-chaos in open microcavity systems and (ii) opto-electronic applications in nano and micro cavities. This ebook should be a very useful reference for any serious opto-electronics researcher

#### Contents

- ▶ Mode-mode coupling theory of resonant pumping via dynamical tunneling processes in a deformed microcavity
- ▶ Manifestation of ray chaos in optical cavities
- ▶ Review on unidirectional light emission from ultralow-loss modes in deformed microdisks
- ▶ Microwave studies of dielectric resonators
- ▶ Photonic quantum ring from quantum corral of whispering cave mode
- ▶ Plasmonic resonators in metal-insulator-metal plasmonic waveguides
- ▶ Theoretical and experimental characterization of double-disk whispering-gallery microcavities

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