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Multi- and Few-Mode Effects in Optical Fibers

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Message from the Guest Editors

Dear Colleagues,

Today, MMFs—as well as few-mode optical fibers (FMFs)—are also considered an alternative solution for new-generation transport networks, providing extra-high bit rates of hundreds Tb/s and more.

This Special Issue covers a broad scope of research in the area of multi- and few-mode effects in optical fibers, and solicits contributions including, but not limited to:

- MMFs and FMFs for telecommunications;
- MDM / SDM;
- MIMO technique for optical networks with MMFs and FMFs;
- laser optimized multimode optical fibers;
- FMFs;
- laser-based multi-Gigabit data transmission over large core optical fibers;
- fiber optic sensors based on a few-mode effects;
- extremely enlarged core optical fibers;
- MMFs and FMFs in medicine;
- MMFs and FMFs in lasers/laser delivery systems;
- image transmission over MMFs and FMFs;
- chiral MMFs and FMFs;
- Microstructured and photonic crystal MMFs and FMFs.