## **High-power fiber optical frequency combs**

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This talk will discuss recent developments of fiber optical frequency combs. A robust feed-forward compensation scheme was used to suppress phase noises in nonlinear polarization rotation mode-locked Yb-doped fiber lasers and large-mode-area photonic crystal fiber amplifiers, resulting in all-fiber femtosecond optical comb up to 100W. This facilitated efficient generation of UV and XUV and ultra-broadband optical frequency combs, as well as synchronized multi-color femtosecond combs.