



Contribution ID: 375

Type: **Talk (preferred)**

## Suppressing Stimulated Brillouin Scattering in Multimode Fibers with High Output Beam Quality

*Wednesday 14 December 2022 12:00 (15 minutes)*

We experimentally obtain a diffraction-limited focused spot at the output of a multimode fiber, resulting in increased SBS threshold(1.5x). We show theoretically and experimentally an even higher(2.3x) SBS threshold is obtained by axially offsetting the focused spot.

**Author:** WISAL, Kabish (Yale University)

**Co-authors:** Dr CHEN, Chun-Wei (Yale University); Dr WARRENSMITH, Stephen (Future Industries Institute, University of South Australia); Dr AHMADI, Peyman (Coherent); Prof. CAO, Hui (Yale University); Prof. STONE, A. Douglas (Yale University)

**Presenter:** WISAL, Kabish (Yale University)

**Session Classification:** 7th International Workshop on Speciality Optical Fibres

**Track Classification:** WSOF: WSOF: Nonlinear optics