

# Silicon Photonic Bragg-Grating add-drop filters and multiplexers using UV lithography

Jonathan St-Yves, Sophie Larochelle, and Wei Shi\*

*Centre d'optique, photonique et laser (COPL) and Dpartement de gnique lectrique, Universit Laval, 2375 rue de la Terrasse, Qubec (Qubec), Canada, G1V 0A6*

*\*wei.shi@gel.ulaval.ca*

**Abstract:** Next generation short reach communication systems require high-performance and low cost optical filters for wavelength division multiplexing. We measured performance of add-drop filters fabricated using a CMOS compatible process. C-band and O-band

Novelty:

1. Rib structure
2. Small features at 1310
3. Large BW and low sidelobes with apodization
4. 1550
5. WDM 4 channels and 2 channels
6. optical litho

## 1. Introduction

Challenges and state of the art

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