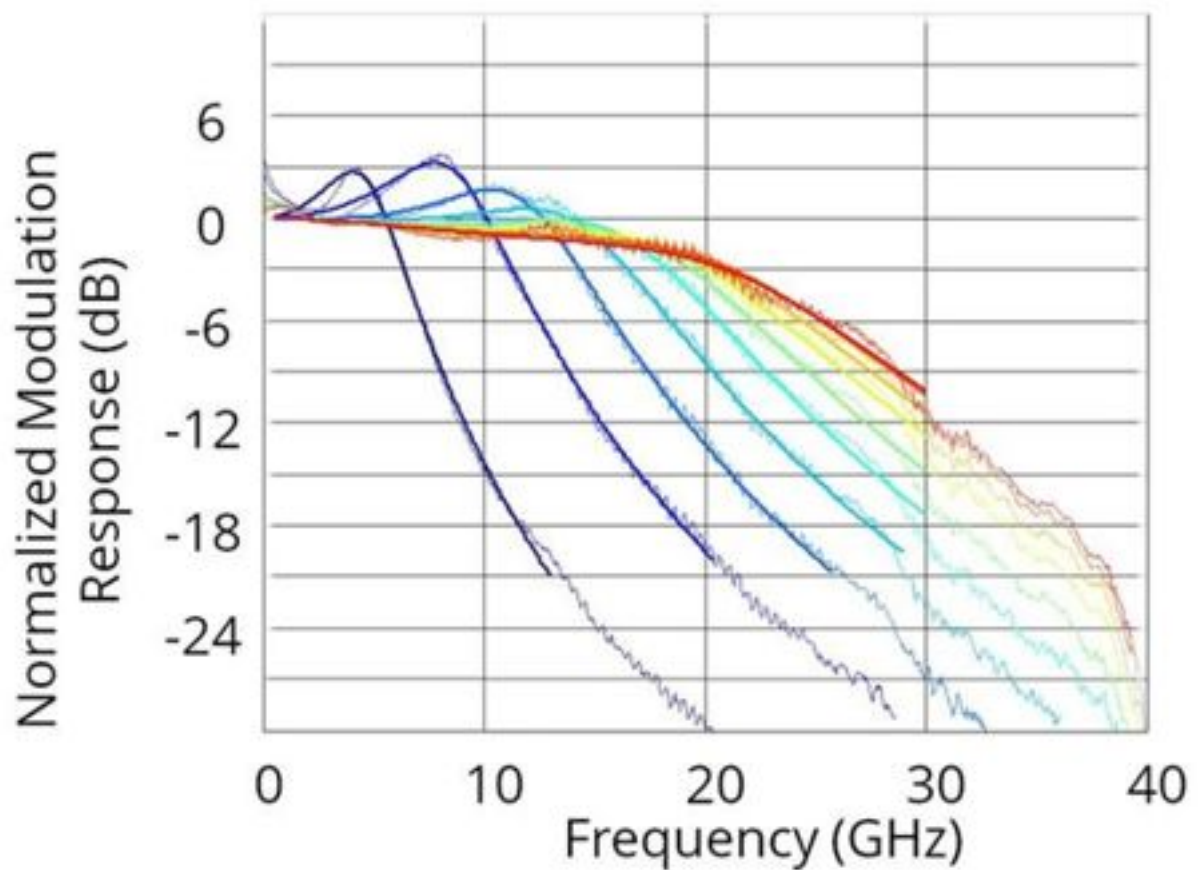
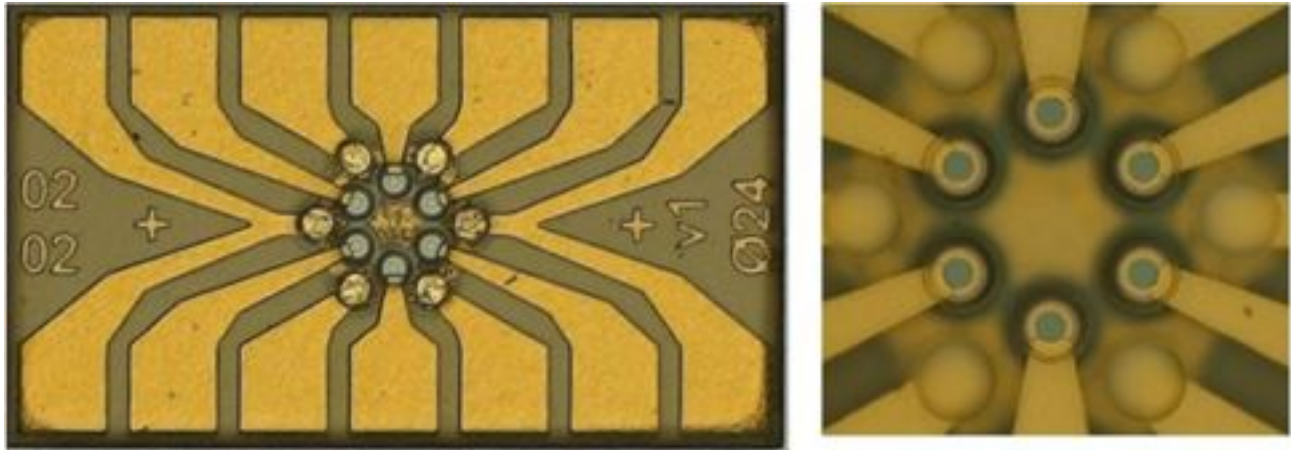


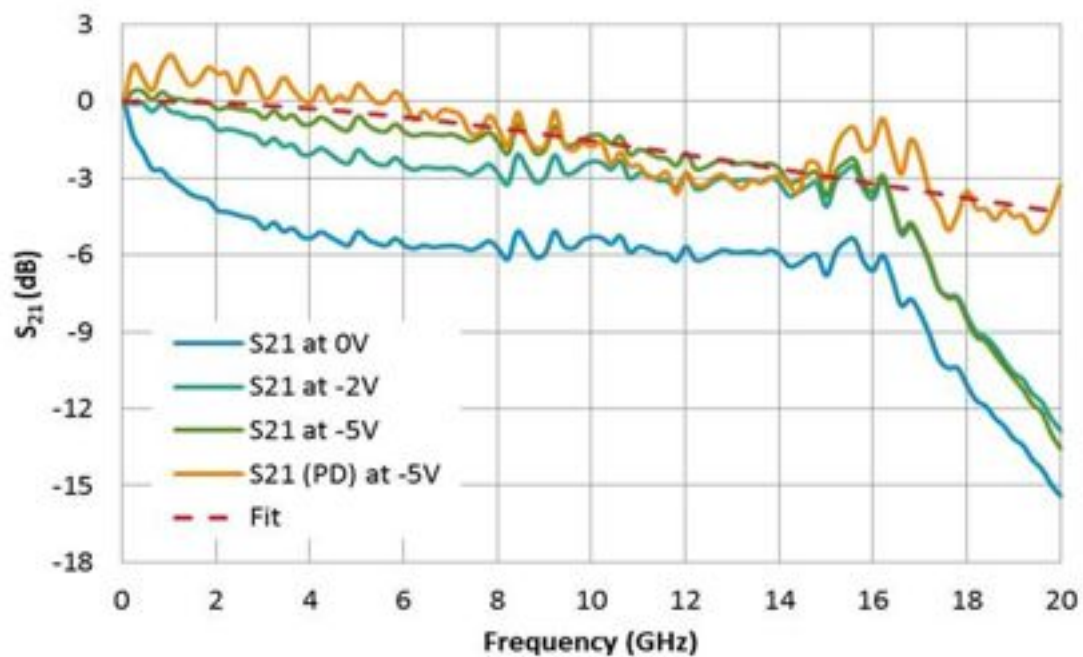
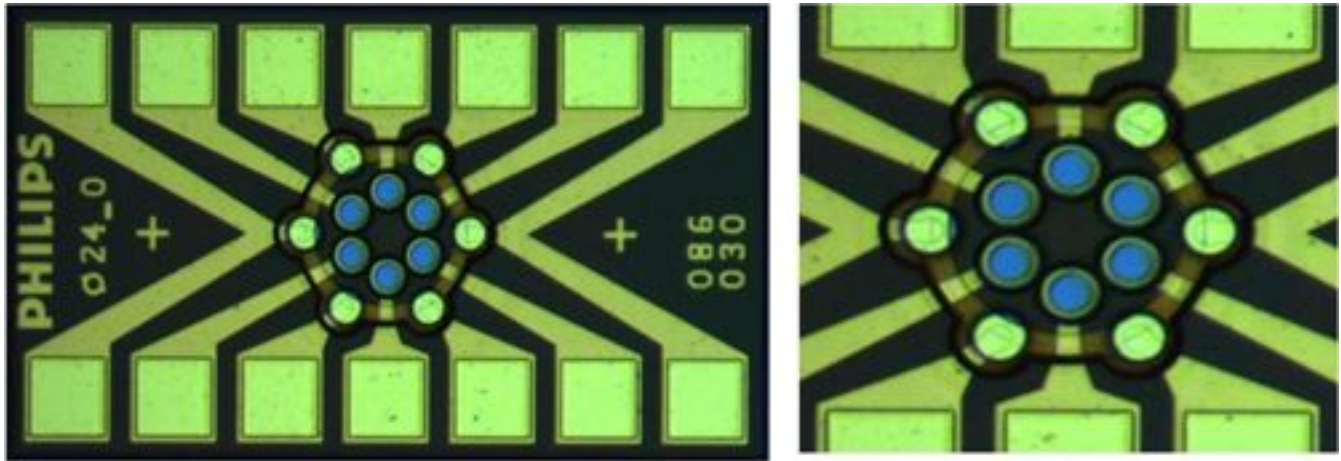
ROBIN demonstrates its gen-1 high-speed VCSEL arrays



ROBIN partner CHALMERS has completed design, fabrication and characterization of 6-channel VCSEL circular arrays with measured 3dB bandwidth >21 GHz (25°C) and >19 GHz

(85°C), good uniformity, sub-mA threshold current, high slope efficiency (0.7 W/A) and high output power (8 mW).

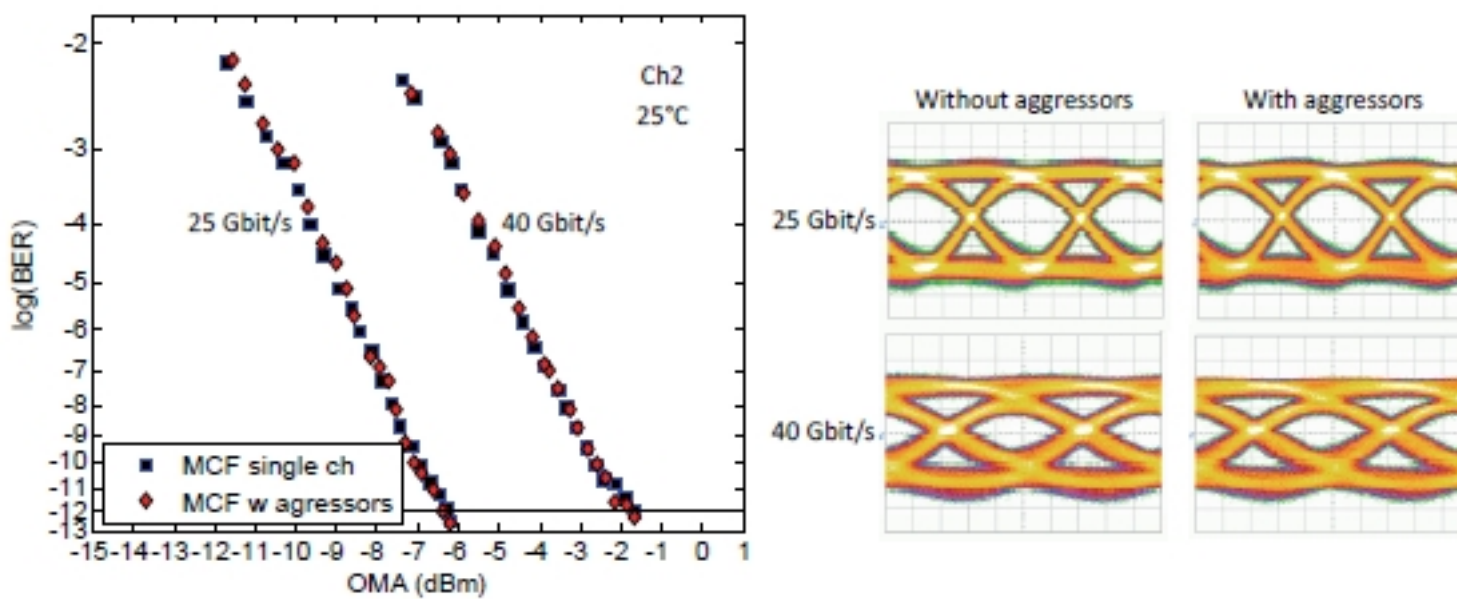
ROBIN demonstrates its gen-1 high-speed PD arrays.



ROBIN partner PHILIPS has completed design, fabrication and characterization of 6-channel PD circular arrays with a temperature independent 0.6 A/W responsivity and 3dB and 6dB cut

off frequencies at 25°C (85°C) of 16 GHz (14.5 GHz) and >20 GHz (~20 GHz), respectively.

ROBIN demonstrates feasibility of 240 Gb/s (6x40 Gb/s) through a single multi-core fiber



ROBIN partner CHALMERS has demonstrated 40 Gb/s end to end transmission through a multi-core fiber developed by OFS. While transmitting data on one of the channels, asynchronous data was simultaneously transmitted on the two nearest neighbor channels (agressors) demonstrating no cross-talk penalty.