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Optical bonding fibers to ZBLAN glass chip waveguides using a CO2 laser

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We report the successful thermal fusing of silica single-mode fibers directly to depressed cladding waveguides inscribed in a ZBLAN glass chip using a CO2 laser. This fusing enables complete integration of a fiber and bulk glass waveguides.

Author: Dr HWANG, Yongsop (University of South Australia)Co-author: Prof. LANCASTER, David (University of South Australia)Presenter: Dr HWANG, Yongsop (University of South Australia)

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