



Project: FP7-22457 PHASORS

**PHase sensitive Amplifier Systems and Optical Regenerator and their applications**

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**Publications List 2008**

**July 2008 to December 2008**

## **PHASORS project publications 2008**

"Double-pumped FOPA with 40dB flat gain over 81-nm bandwidth', J.M.Chavez Boggio, C.Lundstrom, J.Yang, H.Sunnerud and P.A.Andrekson. ECOC 2008.

"Fibre optic parametric amplifiers and their applications', P.A.Andrekson. Invited paper Tu.B.3.1, ECOC 2008.

"Elliptical core polarization maintaining highly nonlinear fibres' Lars Gruner Nielsen, Torben Veng, John Bjerregaard. ECOC 2008

"Cost Efficient Narrow Linewidth Laser Transmitter for Coherent Detection"  
Kaszubowska-Anandarajah , A. Mishra , A. Ellis , L. Barry , P. Anandarajah, P. Perry, D. Reid, J. O'Gorman, R. Phelan and B. Kelly  
CLEO 2008

"Constellation diagram analysis of DPSK signal regeneration in a saturated parametric amplifier," M. Sköld, J. Yang, H. Sunnerud, M. Karlsson, S. Oda, P. A. Andrekson, Optics Express, v. 16, pp. 5974-5982, 2008.

"Ultrafast, atto-Joule switch using fibre-optic parametric amplifier operated in saturation," P.A. Andrekson, H. Sunnerud, S. Oda, Takashi Nishitani, and J. Yang, Optics Express, v. 16, pp.10956-10961, 2008.

"High resolution optical waveform analysis," P.A. Andrekson, OSA Optics and Photonics congress, Boston, MA, paper CMB3, July 13-16, 2008 (invited paper).

"Recent advances in highly nonlinear microstructured optical fibers and their applications", D.J.Richardson, F.Poletti, M.L.V.Tse, P.Horak, J.Y.Y.Leong, F.He, J.H.V.Price, X.Feng, H.N.Rutt, K.E.Frampton, W.H.Loh, S.Asimakis, P. Petropoulos, *AOE 2008* Shanghai 30 Oct-2 Nov 2008 SuB1 (Invited paper).