


**Polar multi-symbol delay detection carrier recovery (Technion)**

**code:** COM-1480

Carrier recovery (CR) in electrical and optical communication is typically a hardware intensive operation, especially when requiring high precision. The presented technology provides a particularly effective hardware realization while also providing carrier frequency and phase recovery as well as providing non-linear cross-phase modulation correction. The polar-domain operation allows multiplier-free implementation, significantly reducing hardware realization complexity.

**Contact for more information:**

T3 Team , +972-4-8294853

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T - Technion Technology Transfer  
Technion City, Senate Bldg., Haifa 32000, Israel  
Tel. 972-4-829-4851; 972-8325-375  
Fax. 972-4-832-0845