

Curriculum Vitae

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Academic qualification

- **B.Sc. in Computer Engineering**, Technical College of Mosul, Iraq, 2005.
- **Master degree in Electrical , Electronics and Telecommunication**, Faculty of Electrical Engineering / University Tun Hussein Onn Malaysia (UTHM), Malaysia 2011.
- **PhD Degree in Optical communication**, Bangor university,UK(2019).

Journal Publications

- [1] **Ehab Al-Rawachy**, Roger Philip Giddings, and Jianming Tang. "Experimental demonstration of a DSP-based cross-channel interference cancellation technique for application in digital filter multiple access PONs." *Optics express* 25.4 (2017): 3850-3862.
- [2] Dong, Yixian, **Ehab Al-Rawachy**, Roger Philip Giddings, Wei Jin, Derek Nasset, and J. M. Tang. "Multiple channel interference cancellation of digital filter multiple access PONs." *Journal of Lightwave Technology* 35, no. 1 (2016): 34-44.
- [3] **Ehab Al-Rawachy**, Roger Philip Giddings, and Jianming Tang. "Real-time experimental demonstration of DSP-enabled soft-ROADMs with multi-level flexible add/drop functions for cloud access networks." *Optics express* 27.1 (2019): 16-33.
- [4] Giddings, Roger, Xiao Duan, **Ehab Al-Rawachy**, and Mingzhi Mao. "A Review of DSP-Based Enabling Technologies for Cloud Access Networks." *Future Internet* 10, no. 11 (2018): 109.
- [5] **Ehab Al-Rawachy**, Roger Philip Giddings, and Jianming Tang. "Experimental Demonstration of a Real-Time Digital Filter Multiple Access PON With Low Complexity DSP-Based Interference Cancellation." *Journal of Lightwave Technology* 37.17 (2019): 4315-4329.

Conference Publications

- [1] **Ehab Al-Rawachy**, Roger Philip Giddings, and Jianming Tang. "Experimental demonstration of real-time add/drop operations in DSP-enabled flexible ROADMs for converging fixed and mobile networks." In Optical Fiber Communication Conference, pp. W2A-33. Optical Society of America, 2018.