

Personal information

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Nationality(-ies)	Pakistani
Date of birth	April 09, 1970
Gender	Male
Research Interest	My research interests focus in the areas of optical fiber engineering including optical networks (PONs, GPONs etc.) and modulation techniques such as OFDM. OCDMA is the special aspect of my research.

Employment History

2016 – present	Associate Professor at Department of Telecommunication, MUET, Jamshoro, PK
2013 – 2016	Assistant Professor at Department of Telecommunication, MUET, Jamshoro, PK
2010 – 2013	Senior Engineer at PTCL, PK
2001 – 2010	Engineer at PTCL, PK
1996 – 2001	Lecturer at Department of Electrical Engineering, NED UET, Karachi, PK

Education

2013	Ph.D. in Optical Engineering - Beijing University of Posts and Telecommunication, Beijing, China
2003	M.E. in Communication Systems and Networks - MUET, Jamshoro, PK
1995	B.E. in Electrical - MUET, Jamshoro, PK

Areas of Expertise

- Optical CDMA
- Spectral Amplitude Coding
- Multiple Access Techniques
- Passive Optical Networks

Professional Training

2012	Disruptive Innovations in Computing - Seminar at BUPT, China
2012	Cognitive Radio Network Research in CSIRO - Seminar at BUPT, China
2012	France Telecom's IPv6 migration strategy, deployments and operational experience - Seminar at BUPT, China
2012	Evolution of Telecommunications and Future Research - Seminar at BUPT, China
2012	Vertical Cavity Surface Emitting Lasers (VCSELs): fundamentals and applications - Seminar at BUPT, China
2012	Recent efforts in nanophotonics: Lasers with asymmetric barriers, micro-rings, two-state lasing - Seminar at BUPT, China
2012	A signature scheme verifying the structure of signers - Seminar at BUPT, China
2012	Video coding algorithms for 3DTV - Seminar at BUPT, China
2011	Status of IoT technologies and cases of deployment in smart cities - Seminar at BUPT, China
2011	Network Coding and Network Tomography - Seminar at BUPT, China

Additional information

Annexes

- 1 List of publications

Attachment 1: List of publications

Publications

- [1] A. L. Memon, K. B. Amur, and M. I. Mallik, "Application and analysis of performance of dqpsk advanced modulation format in spectral amplitude coding ocdma," *Mehran University Research Journal of Engineering and Technology (MURJ)*, vol. 34, no. 2, pp. 92–100, 2015.
- [2] K. B. Amur, A. L. Memon, and S. Qureshi, "Fem based approximations for the tv denoising optimization problem," *Mehran University Research Journal of Engineering and Technology (MURJ)*, vol. 33, no. 1, pp. 105–112, 2014.
- [3] A. L. Memon, K. B. Amur, and A. A. Shaikh, "Snr and ber models and the simulation for ber performance of selected spectral amplitude codes for ocdma," *Mehran University Research Journal of Engineering and Technology (MURJ)*, vol. 33, no. 1, pp. 1–10, 2014.
- [4] A. L. Memon, A. Hussain, I. A. Qureshi, A. Munir, and I. Afridi, "Effective dispersion management in chirp-managed directly modulated laser based reach colorless dwdm-pons with remodulation," *Sindh University Research Journal (Science Series)*, vol. 45, pp. 239–246, May 2013.
- [5] A. Hussain, X. jun Xin, A. L. Memon, A. Hussain, C. xiu Yu, A. Munir, Y. Khan, and M. I. Afridi, "A novel symmetric 10 gbit/s architecture with a single feeder fiber for wdm-pon based on chirp-managed laser," *Optoelectronics Letters*, vol. 8, no. 6, pp. 468–472, 2012.
- [6] A. L. Memon, C. xiu Yu, X. jun Xin, A. Hussain, A. Hussain, A. Munir, and Y. Khan, "An awg-based 10 gbit/s colorless wdm-pon system using a chirp-managed directly modulated laser," *Optoelectronics Letters*, vol. 8, no. 5, pp. 372–375, 2012.
- [7] A. L. Memon, A. Hussain, F. Khan, A. Hussain, Y. Khan, and A. Munir, "A performance based comparative analysis of high speed electro absorption and mach-zehnder modulators to mitigate chromatic dispersion at 140 ghz millimeter wave," *Advances in information Sciences and Service Sciences (AISS)*, vol. 4, pp. 368–377, November 2012.
- [8] A. L. Memon, X. Xin, A. Hussain, L. Bo, Y. Khan, A. Hussain, and A. Munir, "An awg based colorless wdm-pon with rz-dpsk modulated downstream and re-modulation of dl signal for ook upstream," *Frontiers of Optoelectronics*, vol. 5, no. 3, pp. 298–305, 2012.