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Nuri Delen
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Nuri Delen

Objective

Be in a position where I can contribute to the design/testing and manufacturing of optical components and fiber optics telecom systems to service the need for better and faster communication.

Experience

2000– Tyco Electronics, Harrisburg, PA

Senior Development Engineer

- R&D of transmitter-receiver OSAs, multiplexer/demultiplexer for data and telecom application
- Fiber optic links design of DWDM systems.
- Supporting Business units in product line issues.
- Researching emerging product technologies for future business investment.

1999–2000 National Center for Atmospheric Research, Boulder, CO

Post Doctoral Researcher

- Developed algorithms to retrieve amount of CO in troposphere by aircraft measurements.
- Contributed to the understanding of the optical portion of the aircraft instrument.

1998–1999 National Center for Atmospheric Research, Boulder, CO

Student Visitor

- Developed algorithms to retrieve amount of CO in troposphere by aircraft measurements.
- Contributed to the understanding of the optical portion of the aircraft instrument.

1994–1998 University of Colorado, Boulder, CO

Research Assistant

- Invented a new algorithm for optical beam propagation for tilted and offset planes.
- Developed modules that measures performance for optical interconnects.

Education

1994–2000 University of Colorado Boulder, CO

- Ph.D., Electrical & Computer Engineering.
- Thesis title: Plane wave spectrum treatment of tilted and offset planes using an FFT based method.

1992–1994 University of Colorado Boulder, CO

- M.Sc., Electrical & Computer Engineering.

1987–1991 Hacettepe University Ankara, Turkey

- B.Sc., Nuclear Engineering.

Publications

- N.Delen, Brian Hooker. Verification and comparison of a fast Fourier transform based full diffraction method for tilted and offset planes. **Applied Optics**, 40 (21):3525-3531, 20 July 2001.
- Nuri Delen and Brian Hooker. Patent title: Optical field propagation between tilted or offset planes. **US Patent Number**: 5,982,954, November 1999.
- Nuri Delen and Brian Hooker. Free-space beam propagation between arbitrarily oriented plane based on full diffraction theory: a Fast Fourier transform approach. **Journal of the Optical Society of America A**, 15(4):857-867, April 1998.
- C.W. Stirk, N.Delen. Cost, performance, and reliability simulator for optical transceiver modules. **Applied Optics**, 37(26):6151-6160, September 1998.

Interests

Reading the exquisite book of nature by increasing one's knowledge in arts and sciences.