**Faculty Profile: Nader Namazi**

Professor and Chair

Department: Electrical Engineering and Computer Science

School: School of Engineering

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Education: Ph.D., Electrical Engineering, Missouri University of Science and Technology (Missouri S&T), 1985.

**Research Interests and Expertise:**

Statistical signal and image processing, image motion detection and estimation, free-space optical communication, and wireless communications.

**Biography:**

Nader Namazi joined the Catholic University of America in 1991 where he currently is a Professor and Chair in the Department of Electrical Engineering and Computer Science. Prior to joining Catholic University, he was a senior faculty in Electrical Engineering at the Michigan Technological University, Houghton, MI. In his professional years, Dr. Namazi has published over 100 Journal Articles, Conference Papers, Book Chapter, and Editorials. He has produced over 24 doctoral and master students, some of whom are currently distinguished professors and highly ranked professionals. His research efforts have been funded and supported by the National Science Foundation, Office of Naval Research, and other reputable laboratories and foundations.

**Five Selected Papers:**

1. V. Abolhasannejad, X. Huang, N. M. Namazi, “Developing an Optical Image-Based Method for Bridge Deformation Measurement Considering Camera Motion'', Sensors 18 (9), 2754, 2018.
2. M. M. Sepantaie, N. M. Namazi, A. M. Sepantaie, “Spectral Analysis and Implementation of Secure Chaotic Free-Space Optical Communication Systems”, Optical Engineering, 57 (10), 106101, 2018.
3. N. M. Namazi, W. S. Sharpf, J. Obermark, J. N. Caron, “Global Registration and Moving Objects Detection in Noisy Airborne Image Sequences'', Optical Engineering, 49(12), 127005, December 2010.
4. N. Namazi, R. Burris, G. Gilbreath, “Analytical Approach to the Calculation of Probability of Bit Error and Optimum Thresholds in Free-Space Optical Communication”, Optical Engineering, 46(2), February 2007.
5. N. M. Namazi, (Book), "*New Algorithms for Variable Time Delay and Nonuniform Image Motion Estimation*", Ablex Publishing Corporation, 1994.

**Professional Activities (please also include STEM education/diversity/outreach activities)**

* Life-Time Senior Member of IEEE
* IEEE International Conference on Image Processing (ICIP).
* IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP).