

## **Dr. Nuri YILMAZER**

### **Education**

B.Sc. Electrical and Electronics Eng.	Cukurova University, Adana , TR
M.S. Electrical and Computer Eng.	University of Florida, Gainesville, FL
Ph.D. Electrical Eng. and Comp. Sci.	Syracuse University, Syracuse, NY

### **Teaching Interests**

#### **Undergraduate courses:**

Network Analysis I  
Network Analysis II  
Digital Logic Design  
Wireless Sensor Networks  
Robotics

#### **Graduate Courses:**

Wireless Communications  
Digital Image Processing  
Adaptive Array Processing

### **Research Interests**

Array Signal Processing, Smart Antennas, Signal Processing and Sensor Networks

### **Honors and Awards**

'Excellence in Teaching Award', College of Engineering, TAMUK, May 2017

'Professor of the Year Award', Electrical Engineering Department, College of Engineering, TAMUK, May 2017

'Professor of the Year Award', Electrical Engineering Department, College of Engineering, TAMUK, April 2012

'Professor of the Year Award', Electrical Engineering and Computer Science Department, College of Engineering, TAMUK, April 2011

### **Selected Publications**

Muhittin Yilmaz, Naren Dhansri, and Nuri Yilmazer, 'Convex Beam Synthesis for System-Oriented Noisy and Optimal Antenna Arrays', *IEEE Antennas and Wireless Propagation Letters*, Volume 16, Issue 9, June 2016.

Nuri Yilmazer, Kuo-Jen Liao, Young Lee, Juan Mora, William Webb, and Remzi Seker, 'A New Generation Air Pollution Alert System: Integrating Air Quality Models and Location-Aware Mobile Devices', *International Journal of Environmental Monitoring and Analysis*, Volume 1, Issue 1, pp. 21-26, February 2013.

Muhittin Yilmaz, Selahattin Ozcelik, Nuri Yilmazer, and Reza Nekovei, 'Design-Oriented Enhanced Robotics Curriculum', *IEEE Transactions on Education*, Volume 56, Issue 1, pp 137-144, February 2013.

Ismet Sahin, Nuri Yilmazer, and Marwan A. Simaan, 'A Method for Sub-Sample Fetal Heart Rate Estimation under Noisy Conditions', *IEEE Transactions on Biomedical Engineering*, vol.57, issue 4, pp 875 – 883, April 2010.

Nuri Yilmazer, Arijit De, Santana Burintramart, and Tapan K Sarkar, 'Error Associated with the Direction of Arrival Estimation in the Presence of Material Bodies', *Digital Signal Processing Journal*, vol.18, issue 16, pp 919-939, November 2008.

Tapan K. Sarkar, Santana Burintramart, Nuri Yilmazer, Yu Zhang, Arijit De, Magdalena Salazar-Palma, Miguel A. Lagunas, Eric L. Mokole, and Michael C. Wicks, 'A look at the concept of channel capacity from a Maxwellian viewpoint', *IEEE Antennas and Propagation Magazine*, vol. 50, no.32, pp 21-50, June 2008.

Tapan K. Sarkar, Santana Burintramart, Nuri Yilmazer, Seunghyeon Hwang, Arijit De, and Magdalena Salazar-Palma, 'A Discussion about Some of the Principles/Practices of Wireless Communication under a Maxwellian Framework', *IEEE Transactions on Antennas and Propagation*, vol. 54, no.12, pp 3727-3745, December 2006.

Nuri Yilmazer and Tapan K. Sarkar, '2-D unitary matrix pencil method for efficient direction of arrival estimation', *Digital Signal Processing Journal*, vol. 16, issue 6, pp 767-781, November 2006.

Nuri Yilmazer, Jinhwan Koh and Tapan K. Sarkar, 'Utilization of a Unitary Transform for Efficient Computation in the Matrix Pencil Method to find the Direction of Arrival', *IEEE Transactions on Antennas and Propagation*, vol. 54, no.1, pp 175-181, January 2006.