

Institution: U.S. Naval Academy  
Program: Systems Engineering

Date: March 2012

1. Name: Svetlana Avramov-Zamurovic

2. Education

BS	Electrical Engineering	Faculty of Technical Sciences, Univ. of Novi Sad, Yugoslavia	1986
MS	Electrical Engineering	Faculty of Technical Sciences, Univ. of Novi Sad, Yugoslavia	1990
PhD	Electrical Engineering	University of Maryland, USA	1994

3. Academic experience

Assistant Professor	1994-1999	US Naval Academy
Associate Professor	1999-2008	US Naval Academy
Professor	2008-present	US Naval Academy

Researcher	Jan–Jun 2009	Compressive sensing, Research Office at USNA
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Research Assistant	1990-1994	Institute for Physical Science and Technology, UMD, USA
Assistant Prof	1987-1990	Faculty of Technical Sciences, Univ. of Novi Sad, Yugoslavia

4. Non-academic experience:

Guest Scientist	1994-present	National Institute of Standards and Technology, USA
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5. Certifications or professional registrations none

6. Current membership in professional societies: ASEE and IEEE

7. Honors and awards : none

8. Service activities

**USNA**

<i>Member,</i>	Yard Core Curriculum Committee (1998-Present)
<i>Member,</i>	Research Excellence Committee Award Committee (2006-2008)
<i>Member,</i>	Dept. ABET Committee (1997-Present)
<i>Dept. Coordinator</i>	Midshipmen Summer Internship Program (1996-2009)
<i>Member</i>	Wertheim Fellows Selection Committee (2007-2008)
<i>Dept. Liaison to EE</i>	Cyber course development (2011-present)

**Professional societies**

<i>Reviewer</i>	Instrumentation Division, IEEE Transactions on Instrumentation and Measurements Review of Scientific Instruments IMTC Conference Proceedings CPEM Conference Proceedings ASEE Frontiers in Education Conference Proceedings
<i>Chairman, Member</i>	ASEE Robert G. Quinn Award Committee
<i>Member</i>	IEEE Keithley Award Committee
<i>Member</i>	ASEE, Instrumentation Division

9. Publication

**Journal Publications**

1. O. Korotkova, S. Avramov-Zamurovic, R. Malek-Madani, and C. Nelson, "Probability density function of the intensity of a laser beam propagating in the maritime environment," Opt. Express 19, 20322-20331 (2011)

2. Avramov-Zamurovic, S.; Dagalakis, N.G.; Rae Duk Lee; Jae Myung Yoo; Yong Sik Kim; Seung Ho Yang, "Embedded Capacitive Displacement Sensor for Nanopositioning Applications", IEEE Transactions on Instrumentation and Measurement, Volume: Vol 60, Issue 7, pp 2730-2737, (2011)
3. Avramov-Zamurovic, S.; Rae Duk Lee; "A High-Stability Capacitance Sensor System and Its Evaluation", IEEE Transactions on Instrumentation and Measurement, Volume: 58 , Issue: 4, Page(s): 955 – 961, 2009.

#### Technical Conferences

1. O. Korotkova , C. Nelson and R. Malek-Madani, "Probability density function of partially coherent beams propagating in the atmospheric turbulence", SPIE Photonics West Sensing Conference proceedings, Atmospheric and Oceanic Propagation of Electromagnetic Waves, 2012.
2. S. Avramov-Zamurovic ,O. Korotkova and R. Malek-Madani, "Probability Density Function Of Fluctuating Intensity of Laser Beam Propagating in Marine Atmospheric Turbulence", SPIE Photonics West Sensing Conference proceedings, Atmospheric and Oceanic Propagation of Electromagnetic Waves, Volume 7924, 2011.
3. C. Nelson, S. Avramov-Zamurovic, R. Malek-Madani, O. Korotkova, R. Sova, F. Davidson, "PDF computations for power-in-the-bucket measurements of an IR laser beam propagating in the maritime environment", SPIE Defense, Security, and Sensing Conference proceedings, 2011.
4. Avramov-Zamurovic, S.; Dagalakis, N.G.; Rae Duk Lee; Yong Sik Kim; Jae Myung Yoo; Seung Ho Yang, "Embedded capacitive displacement sensor for nanopositioning applications", Conference on Precision Electromagnetic Measurements (CPEM), pp: 316 – 317 , 2010.
5. Pejić, D.; Urekar, M.; Vujičić, V.; Avramov-Zamurović, S., "Comparator offset error suppression in stochastic converters used in a watt-hour meter“, Conference on Precision Electromagnetic Measurements, pp: 235 – 236, 2010
6. Avramov-Zamurovic, S.; Rae Duk Lee; "A capacitance sensor suite evaluation", Conference on Precision Electromagnetic Measurements Digest, 2008. CPEM Page(s): 564 – 565, 2008.

#### Educational Conferences

1. J. Josef, S. Avramov-Zamurovic, "Tsunami Warning System", ASEE Conference Proc. , 2009.
  2. N. Dadds, S. Avramov-Zamurovic, "Object Classification through Tactile Sensing", ASEE Conference Proc, 2008.
  3. C. Song, S. Avramov-Zamurovic, "Evaluation Of A Pressure Sensor For A Tsunami Warning System", ASEE Conference Proc., 2008.
10. Professional development activities in the last five years: none