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2018-04

## Promotion and Tenure Decisions for Academic Year 2018

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Monterey, California, Naval Postgraduate School

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Monterey, CA 93943

NPS (100)  
March 27, 2018

MEMORANDUM

From: Provost and Academic Dean  
To: Faculty and Staff

Subj: PROMOTION AND TENURE DECISIONS FOR ACADEMIC YEAR 2018

1. It is a pleasure to announce the following promotion and tenure decisions for AY 2018. Included with each name are comments indicating the areas of accomplishment and leadership that were significant in the candidacy of the individual.

2. AWARD OF TENURE

**Bacolod, Marigee, GSBPP**

This award of tenure is in recognition of Dr. Bacolod's strong research record addressing job skills, the U.S. labor market, and the economics of education prior to joining NPS. Since joining NPS, her research has addressed critical defense talent management topics, including the quality of recruits, military gender issues, the effectiveness of distributed learning programs, and predicting destructive behaviors in the military environment. Dr. Bacolod's students recognize her as a passionate and effective instructor, both inside and outside the classroom. She has advised or co-advised 17 students since joining NPS in 2014, and they find her to be accessible, responsive, encouraging, and caring.

**Garren, David, ECE**

This award of tenure is in recognition of Dr. Garren as an internationally recognized leader in critical defense topics pertaining to the phenomenology, ambiguities, and focusing of synthetic aperture radar imagery. During his six years at NPS, he has enhanced NPS's reputation as the primary author of eight refereed journal publications in top-tier engineering journals. Dr. Garren has also published 16 refereed papers in the proceedings of international radar conferences, including thesis student work pertaining to imaging via low probability of intercept radar. He has garnered over \$725,000 as principal investigator for reimbursable research projects funded by DOD and intelligence community organizations, thereby increasing NPS's reputation. He is a recognized innovator in radar research for the national intelligence community, with seven U.S. patents and 18 refereed journal publications.

**Oriti, Giovanna, ECE**

This award of tenure is in recognition of Dr. Oriti becoming an internationally recognized leader in power electronics-based energy management systems, microgrids, and renewable energy power conditioning. In her research, she has addressed critical defense topics including renewable energy integration to DOD microgrids, energy storage systems control, and power electronic systems to increase energy efficiency. She has enhanced NPS's reputation in power electronics through her contribution and service to the Institute of Electrical and Electronics Engineers. Dr. Oriti has been a dedicated educator and inspiring mentor to her thesis students, supervising more than ten theses in the past five years, and has published in top-tier peer-reviewed journals and conferences with nine papers co-authored with her students. She has

contributed to the development of hardware and software laboratories for resident and distance learning courses.

### 3. PROMOTION TO ASSOCIATE PROFESSOR AND AWARD OF TENURE

#### **Armey, Laura, DRMI**

This promotion and award of tenure are in recognition of Dr. Armey's nationally recognized leadership in defense economics and the role of technology in economic development. Her studies of the impact of conflict on countries, institutions, and individuals; on manpower models on the economic well-being of veterans; and on the impacts of war on post-war political and economic development contribute to DOD understanding and effectiveness of DOD policy. Dr. Armey's work on technology in developing countries including measuring the effects of the spread of technology on crime, identity, and money laundering; and on measuring changes in electricity spread and resultant internet growth using satellite derived night-light density provides relevant and useful information to inform development policymakers, and institutions. She has enhanced NPS's reputation through highly productive collaborations with the Office of the Under Secretary of Defense (Comptroller) on financial management metrics and in professional development seminars presented to senior OUSD(C) personnel.

#### **Darnton, Christopher, NS**

This promotion and award of tenure are in recognition of Dr. Darnton as a recognized scholar in Latin American regional security studies. His book, *Rivalry and Alliances in Cold War Latin America*, has been praised by the leading scholars of his field because of its original research, analytical insights, and empirical rigor. In the book, he addresses the puzzle of why interstate rivalries persist despite new incentives to cooperate, resulting in suboptimal strategies in the face of common threats and resource scarcity. Dr. Darnton has demonstrated empirically how military bureaucratic interests can subvert otherwise rational alliance decisions, thus challenging the dominant realist paradigm that views international cooperation as a function of systemic considerations.

#### **DiRenzo, Marco, GSBPP**

This promotion and award of tenure are in recognition of Dr. DiRenzo's contributions in research, instruction, and service, which are notable. His research contributions were well received by all external reviewers, and their support is consistent with his Ascendant Scholar Award from the Western Academy of Management and his recognition as a finalist for the Rosabeth Moss Kanter Award for Excellence in Work-Family Research given to best research paper of the year in the work-life interface field. Dr. DiRenzo also won the Graduate School of Business & Public Policy Research Excellence Award in Disciplinary Research in 2007, indicating that his GSBPP colleagues also have high regard for his research. His students typically rate him well above the NPS/GSBPP average and find him to be passionate, enthusiastic, engaging, and knowledgeable.

#### **Gannon, Anthony, MAE**

This promotion and award of tenure are in recognition of Dr. Gannon's internationally recognized leadership in Energy Systems and the design of Turbomachinery. In his research, he addressed critical defense topics including renewal energy systems evaluation and the enhancement of gas turbine performance. He has enhanced NPS's reputation in networking through highly productive collaborations with Pratt & Whitney, Universities of Cincinnati, Kentucky and Graz (Austria). Dr. Gannon's management of the ONR ESTEP program has been noticed and is applauded. He is recognized by NPS students as one of the top 5% instructors in the classroom. He is a dedicated educator and inspiring mentor to his thesis students, supervising more than ten theses in the past five years, of which nine were

cited as outstanding theses, and you published in top-tier journals and conferences [with] seven papers co-authored with his students.

**Menichini, Amilcar, GSBPP**

This promotion and award of tenure are in recognition of Dr. Menichini's contributions to DOD/DON through his research, which developed a closed-form solution to a dynamic investment model, an elusive goal in the profession. More recently, his research agenda has expanded to include military retirement and the promotion and retention of service members, critical issues across all military services. Dr. Menichini's instruction has been both effective and innovative. He introduced a teaching case he wrote with one of his students real options in defense R&D, and participated in developing an interdisciplinary teaching case that integrates across functional areas for all the courses students were taking in their second quarter. His students find him highly organized and able to explain complex topics clearly and concisely.

4. PROMOTION TO PROFESSOR

**Amara, Jomana, DRMI**

This promotion is in recognition of Dr. Amara's international leadership in the research on health outcomes of service members and the costs of their treatments, especially with respect to TBI and PTSD; and as a defense economist, studying gender and other applications, methods, and techniques in defense and security economics policy. Her work has impacted DOD and Veterans Administration policy, and benefitted numerous thesis students through the Marine Corps Expeditionary Energy Office. She has enhanced NPS's reputation through highly productive collaborations with the VA, the Fulbright Program, and her numerous defense colleagues. In 2012, she was DRMI's first recipient of the Secretary of Defense Global War on Terrorism Civilian Service Medal, logging over 60 days of expeditionary service in areas designated as GWOT theatres of operations, and continues this work today.

**Everton, Sean, DA**

This promotion is in recognition of Dr. Everton as an internationally recognized leader in social network analysis. In his research, he has addressed critical defense topics, including network mapping of insurgent and terrorist organizations. He has enhanced NPS's reputation in network analysis through highly productive collaborations with the intelligence community, law enforcement, and many US allies and partners. NPS students recognize him as a creative, dedicated instructor in the classroom. He has been an inspiring mentor to thesis students, serving as advisor or reader on nearly seventy theses and capstone projects over the past decade. Dr. Everton has published in top-tier peer-reviewed journals, often co-authoring with Faculty Associates in the CORE Lab, and two of his three books were published by the prestigious Cambridge University Press.

**Gera, Raluca, MA**

This promotion is in recognition of Dr. Gera as an internationally recognized leadership in the theory of domination in graphs and, more recently, in network science. In her research, she addressed critical defense topics including networking mapping, developing techniques, algorithms, and software to locate and map small networks that are embedded in larger, often layered, networks whose topology might not be fully known. Dr. Gera has enhanced NPS's reputation, collaborating with others at institutions including the Indian Institute of Technology, Northeastern University and its Network Science Institute, Clemson University, and the United States Military Academy and its associated Army Cyber Institute. NPS students recognize her as one of the top 5% of instructors in the classroom, and she was the recipient of the Richard W. Hamming Teaching Award in 2016. She has been a dedicated educator and inspiring

mentor to her thesis students, supervising or co-advising more than twenty theses and one PhD dissertation in the past six years. In addition, she has published eighteen refereed journal articles, one edited volume, and a book chapter in that same period.

**Lin, Kyle, OR**

This promotion is in recognition of Dr. Lin's research in the development of strategies for patrolling, surveillance and search operations. Dr. Lin addressed additional defense topics including development of metrics to improve scheduling and resourcing of Naval shipyard maintenance and repair. He has enhanced NPS's reputation with his service to the research community as associate editor of two leading operations research journals, appointment to NSF proposal review panels, and a professional society committee. In addition, Dr. Lin has done exemplary service as associate chair for instruction. He is a dedicated educator and inspiring mentor to his thesis and PhD students advising or co-advising 23 M.S. theses and 4 Ph.D. dissertations.

**Lipow, Jonathan, DRMI**

This promotion is in recognition of Dr. Lipow as an internationally recognized leader in defense economics and national security studies, and his work has affected financial and strategic policies of defense resources management in areas including military manpower, cost-benefit analysis, financing of foreign military sales, regional stability and civil affairs, and resource network strategy for Afghanistan. Dr. Lipow's book provides a coherent application of economic theory to national security matters, and serves not only as a textbook but as a reference for any citizen interested in the future of our country. He has brought credit to NPS's reputation through highly productive collaborations with numerous junior faculty, faculty at prestigious universities in the U.S. and other countries, and his unmatched ability and enthusiasm for taking on more course and case study development and service activities. In 2014, Dr. Lin received the Secretary of Defense Global War on Terrorism Civilian Service Medal, logging over 60 days of expeditionary service in areas designated as GWOT theatres of operations. To date he has taught in 15 countries, at multiple commands, within the Office of the Under Secretary of Defense (Comptroller), and has presented dozens of topics across multiple disciplines.

**MacMahan, James, OC**

This promotion is in recognition of Dr. MacMahan becoming an internationally recognized leader in nearshore processes through field observations, novel instrumentation, and experimental design. He has been a continuous source of new ideas that have produced a number of scientific findings, thesis and doctoral topics for students, collaborations, and a means of acquiring competitive funding. Dr. MacMahan has brought great credit to NPS's reputation in surf zone hydrodynamics through high productivity. He has been a dedicated educator and inspiring mentor to his students, supervising 21 MS and 7 PhD theses, of which many were published as his co-authors in top-tier 67 journals.

**Madachy, Raymond, SE**

This promotion is in recognition of Dr. Madachy's internationally recognized leadership in software cost estimation, software process dynamics, and integrating the software and systems engineering communities. In his research, he addressed critical defense topics on software cost estimation for DOD operating domains. Dr. Madachy has enhanced NPS's reputation in software cost estimation because his work led to OSD policy changes for improved cost estimation metrics and NAVAIR has adopted his product line software cost model. He has contributed to education at NPS through the development of the software systems engineering and cost modeling courses that all systems engineering students take. He has been a dedicated educator and inspiring mentor to his thesis students, supervising more than twenty-

five theses in the past five years. He has authored five books, 21 journal articles, and 47 conference proceedings, which has greatly increased the reputation of NPS.

**Salmerón, Javier, OR**

This promotion is in recognition of Dr. Salmerón's leadership in the field of optimization applied to problems of national defense. In his research, he addressed important defense topics including infrastructure protection and inventory management. He has brought great credit to NPS's reputation with his service to the research community as chair of an international workshop and sessions at professional meetings. Dr. Salmerón has been a dedicated educator and inspiring mentor to his thesis students, supervising more than 32 M.S. theses and receiving awards for his teaching.

5. PROMOTION TO RESEARCH ASSOCIATE PROFESSOR

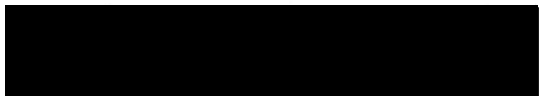
**Roberts, Andrew, OC**

This promotion is in recognition of Dr. Roberts's development of new technical capabilities in numerical prediction and analysis of polar oceans, atmospheres, and most notably, sea ice. His efforts will solve difficult problems in polar prediction for the United States Navy and the U.S. Government. He has been a dedicated educator and inspiring mentor to his students, supervising 3 MS and co-supervising 1 PhD theses.

6. PROMOTION TO FACULTY ASSOCIATE, RESEARCH (AD-03)

**Skinner, Mariot Elizabeth, DA**

This promotion is in recognition of Ms. Skinner's support to the OSD-sponsored Global ECCO project, connecting and sustaining the global combating terrorism network. Her management of the *CTX (Combating Terrorism Exchange)*, the department's flagship, peer-reviewed journal, has been remarkable. From research, to writing, to mentoring and advising prospective authors, to development and production, she has ensured a relevant and high-quality publication that is read around the world and serves our national interest.



STEVEN R. LERMAN

Copy to:  
President, NPS