

SUMMARY

New Appointments to Endowed Chairs, Professorships, or Fellowships (7)

November 16, 2020

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Bahareh Behkam John R. Jones III Faculty Fellowship

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Viswanath Venkatesh Verizon Professorship

ENDOWED PROFESSORSHIP
Patrick and Nancy Lathrop Professorship in Architecture

The Patrick and Nancy Lathrop Professorship in Architecture was established by the Lathrops with the stipulation that the title should be bestowed upon an Architecture professor who demonstrates excellence in the field. In concurrence with the recommendation of the School of Architecture Honorifics Committee, Dean Richard Blythe nominates Dr. Paul Emmons to hold the Patrick and Nancy Lathrop Professorship in Architecture.

Dr. Paul Emmons is dedicated to the continuous pursuit of the Patrick and Nancy Lathrop Professorship ideals, “outstanding merit and academic excellence.” He unites the activities of practice and representation with rigorous historical scholarship, giving students a profound sense of where their work is situated in time and space. His impact is evident in the successes of his advisees in the master and doctoral programs, in their current positions, and productivity in practice and academia.

Dr. Emmons has over two decades of combined teaching, research, and service, and has built an international presence in the field of history and theory of architectural practices that has brought Virginia Tech distinction and respect.

Dr. Emmons is a unique and irreplaceable asset to the School of Architecture + Design; he has the unique capacity to transpose architectural history and theory into contemporary contexts and to envision futures for the architectural discipline in profoundly meaningful ways. He is an absolute key figure for the School of Architecture + Design.

As stated in a letter of nomination, his role as teacher, scholar, and mentor is brilliant and extends well beyond the confines of the college. His recent appointment as the Associate Dean for Graduate Studies is long overdue and will continue the excellence he brings as “an architectural historian and theoretician of world-acclaim.”

RECOMMENDATION:

That Dr. Paul Emmons be appointed to the Patrick and Nancy Lathrop Professorship in Architecture, effective November 16, 2020, with a salary supplement as provided by the endowment and the eminent scholar match, if available.

November 16, 2020

ENDOWED PROFESSORSHIP
Robert L. Turner Chair in Urban Design

The Robert L. Turner Chair in Urban Design was established by the generous donation of Robert Turner with the stipulation that the title should be bestowed upon a professor in the School of Architecture + Design who demonstrates excellence in the field of Urban Design. In concurrence with the recommendation of the School of Architecture Honorifics Committee, Dean Richard Blythe nominates Dr. Paul Kelsch to hold this endowed position.

Dr. Paul Kelsch is a landscape architecture professor at the Washington-Alexandria Architecture Center and has focused his scholarship, design work, and teaching on studying intersections of ecological processes and cultural meanings of nature in designed landscapes.

With professional degrees in landscape architecture and architecture and a Ph.D. in cultural geography, Dr. Kelsch couples a keen designer's eye with the reflective gaze of an historical geographer as he reads and interprets cultural landscapes, especially those of the nation's capital.

Dr. Kelsch has authored a series of cultural landscape reports that build on these paired strengths of design and interpretation, and has written complex histories of these landscapes that place them in the context of national discussions about the meanings of nature in the American landscape. Specifically, his passion for urban design through the lens of geography, cultural landscape, historical landscape, space, and place partakes unambiguously and forcefully in the creation and understanding of urban design issues such as the Parkways of the National Capital and the Potomac River. The committee recognizes Dr. Kelsch's interpretation of what urban design signifies when seen through another discipline such as landscape architecture.

As an educator committed to cultivating students' individual hands, eyes and minds, Dr. Kelsch encourages each student to develop their own understanding of relationships between ecological nature and other cultural meanings of nature and to manifest those ideas in the landscape through thoughtful and innovative design. The diverse impacts of his former students are testimony to his success in nurturing their individual voices.

Dr. Kelsch will continue to bring excellence in this area to the School of Architecture + Design and is recognized for his long-term value to the school.

RECOMMENDATION:

That Dr. Paul Kelsch be appointed to the Robert L. Turner Chair in Urban Design, effective November 16, 2020, with a base salary supplement as provided by the endowment and the eminent scholar match, if available.

November 16, 2020

ENDOWED FELLOWSHIP
Bradley Senior Faculty Fellowship

In concurrence with the recommendation of the honorific committee of the Bradley Department of Electrical and Computer Engineering, Dean Julia Ross nominates Dr. Scott M. Bailey to hold the position of Bradley Senior Faculty Fellow. Dr. Bailey is eminently qualified because of his pioneering research accomplishments in the fields of space and atmospheric science and in particular remote sensing of the Earth's atmosphere.

Dr. Bailey received a B.S. in Physics from Virginia Tech in 1990 and M.S. and Ph.D. degrees in Astrophysical, Planetary, and Atmospheric Sciences from the University of Colorado Boulder (CU) in 1994 and 1995, respectively. Dr. Bailey worked as a research associate for three years at CU, as a research assistant professor for four years at Hampton University, and as an assistant professor for four years at the University of Alaska-Fairbanks before coming to Virginia Tech in 2006 as an assistant professor. He was promoted to associate professor in 2009 and professor in 2016. Dr. Bailey is an integral part of the Center for Space Sciences and Engineering Research (Space@VT) where he has served as its director since 2019.

Dr. Bailey has had a notable academic career. He has authored or co-authored two book chapters, 100 journal/magazine articles, and 17 conference/workshop papers. Among his journal articles, 52 were published in prestigious journals in his field. His work has been well cited by his peers. Based on Google Scholar, he has over 4,400 citations and his *h*-index is 35. Dr. Bailey is very active in the academic community. He has given ten invited talks, lectures, seminars, or keynotes around the world.

Dr. Bailey has received 21 funded projects with 14 of them as the principal investigator. The funding amount of these projects exceeds \$12M. His sources of funding are diverse, including National Aeronautics and Space Administration (NASA), National Science Foundation (NSF), and Office of Naval Research (ONR). He is prolific in the development of remote sensing instrumentation, having leadership roles in the space flight of 13 research-grade instruments by satellite, sounding rocket, and stratospheric balloon. He became the director of Space@VT in 2019, which is a consortium of 25 researchers across the university with an annual research budget of \$5M from internal and external sources.

Dr. Bailey has established a strong record of advising and mentoring of graduate students. Over his 25-year career in academia, he has advised seven M.S. thesis students to completion and six Ph.D. students. He has also been an external examiner or reviewer for three Ph.D. defenses in Sweden and Germany.

Dr. Bailey has an impressive record of service to professional societies. Dr. Bailey's service record is exceptional, and he has a very positive attitude and can-do spirit. He has an excellent international presence through leadership of professional workshops and

working groups. He has been a guest editor for the *Journal of Atmospheric and Solar-Terrestrial Physics* (JASTP) on four occasions. He is an active advisor to NASA and has served on numerous committees for them setting and communicating science priorities. He has been a reviewer for a wide spectrum of journals and proposals from NASA and NSF. Dr. Bailey has been a tireless advocate for his profession by chairing or co-chairing committees at 15 international conferences across the globe.

RECOMMENDATION:

That Dr. Scott M. Bailey be appointed a Bradley Senior Faculty Fellow for a five-year term, effective November 25, 2020, with a salary supplement and operating budget as provided by the endowment and the eminent scholar match, if available.

November 16, 2020

ENDOWED FELLOWSHIP
Bradley Senior Faculty Fellowship

In concurrence with the recommendation of the honorifics committee of the Bradley Department of Electrical and Computer Engineering, Dean Julia Ross nominates Dr. Jungmin (Jerry) Park to hold the position of Bradley Senior Faculty Fellow. Dr. Park is eminently qualified because of his pioneering research accomplishments and innovations in the fields of dynamic spectrum access and sharing, wireless security and privacy, and cognitive radio networks.

Dr. Park received B.S. and M.S. in Electronic Engineering from Yonsei University in South Korea. He then received a Ph.D. in Electrical and Computer Engineering from Purdue University in 2003. After completing his Ph.D., he came to Virginia Tech as an assistant professor in August 2003 and received tenure and promotion to associate professor in August 2009 and then promotion to professor in August 2015.

Dr. Park has had a distinguished academic career. He has co-authored one book, six book chapters, 39 journal/magazine articles, and 80 conference/workshop papers. Among his journal articles, 30 were published in prestigious journals in his field. His work has been well cited by his peers. Based on Google Scholar, he has over 10,600 citations and his *h*-index is 39. Dr. Park is very active in the academic community. He has given 37 invited talks, lectures, seminars, or keynotes around the world as a member of the Institute of Electrical and Electronics Engineers (IEEE) Communications Society. He was named an IEEE Fellow for contributions to dynamic spectrum sharing, cognitive radio networks, and security issues. At Virginia Tech, he was awarded a College of Engineering Dean's Award for Research Excellence in 2017 and a College of Engineering Faculty Fellow Award in 2014. In addition, he was a recipient of a Cisco Faculty Research Award in 2015, a National Science Foundation (NSF) CAREER Award in 2008, and a Hoeber Excellence in Research Award in 2008.

Dr. Park has received 32 funded projects as the principal investigator or a co-principal investigator. The funding amount of these projects exceeds \$15.2M. His sources of funding are very diverse, including NSF, National Institutes of Health, Defense Advanced Research Projects Agency, Army Research Office, Office of Naval Research, MITRE Corporation, and from industry partners. He has teamed with other departments and faculty to secure and carry out several funded projects. Since 2013, he has been the site director of an NSF funded Industry-University Cooperative Research Center (I/UCRC) called Broadband Wireless Access & Applications Center.

Dr. Park has established a strong record of advising and mentoring of graduate students. Over his 17-year career in academia, he has advised 12 M.S. thesis students and eight Ph.D. students to completion.

Dr. Park has an impressive record of service to professional societies. He has served on the Technical Program Committees of 11 conferences. He currently serves as the Steering Committee Chair of the IEEE International Symposium on Dynamic Spectrum Access Networks (DySPAN), the flagship IEEE conference for discussing and exploring advanced spectrum access technologies. He has also served as a member of the editorial board for three journals.

Dr. Park has been a tireless advocate for his profession by chairing or co-chairing international conferences, serving on the executive committee of the U.S. National Spectrum Consortium, and reviewing proposals for several journals and conferences. He was a co-organizer of two NSF-funded workshops, and the findings from those workshops resulted in the creation of new programs at NSF.

RECOMMENDATION:

That Dr. Jungmin (Jerry) Park be appointed a Bradley Senior Faculty Fellow for a five-year term, effective November 25, 2020, with a salary supplement and operating budget as provided by the endowment and the eminent scholar match, if available.

November 16, 2020

ENDOWED FELLOWSHIP

John R. Jones III Faculty Fellowship in Mechanical Engineering

In 2006, the John R. Jones III Faculty Fellow in Mechanical Engineering endowment was established to acknowledge and reward mid-career faculty who have shown exceptional merit in research, teaching, and/or service. Mr. Jones earned his Bachelor of Science degree in Mechanical Engineering from Virginia Tech in 1967. He is a retired executive of American Electric Power and remains an active consultant to the power industry. Mr. Jones has been a member of the Department of Mechanical Engineering Advisory Board since 1998.

In concurrence with recommendations of the Mechanical Engineering honorifics committee and department head Dr. Azim Eskandarian, Dean Julie Ross nominates Dr. Bahareh Behkam to hold the John R. Jones III Faculty Fellowship in Mechanical Engineering.

Dr. Behkam has excelled in scholarship, teaching, service, and outreach at Virginia Tech. Her research expertise is in micro/nanoscale systems engineering, with a strong focus on dynamics, transport phenomena, and soft matter mechanics. She has established two key research areas in her laboratory; bio-hybrid micro/nanorobotics and living machines, and interfacial mechanics of pathogen-biomaterial interactions. Her research is highly interdisciplinary and combines knowledge and methodology from engineering and biological sciences to advance fundamental understanding in both disciplines and apply that understanding to develop new technology, such as bio-hybrid microrobotic systems for cancer therapy.

Dr. Behkam's research has resulted in one book, three book chapters, more than 60 journal and peer-reviewed conference proceedings papers, and one U.S. patent. Based on the impact of her research, she has been invited to present more than 20 seminars at prestigious international conferences, as well as academic and research institutions in the U.S. and abroad. Her *h*-index of 21 is another indication of the strong impact at this early stage of her career.

Dr. Behkam through her scholarship in the field of micro/nanoscale engineering has made outstanding contributions to Virginia Tech, to the Commonwealth of Virginia and to the nation through her innovative teaching methods, service and outreach to the community, and publications.

RECOMMENDATION:

That Dr. Bahareh Behkam be appointed to the John R. Jones III Faculty Fellowship in Mechanical Engineering for a renewable five-year term, effective November 10, 2020 with an annual operating budget provided by the endowment and the eminent scholar match, if available.

November 16, 2020

ENDOWED FELLOWSHIP

John R. Jones III Faculty Fellow in Mechanical Engineering

In 2006, the John R. Jones III Faculty Fellow in Mechanical Engineering endowment was established to acknowledge and reward mid-career faculty who have shown exceptional merit in research, teaching, and/or service. Mr. Jones earned his Bachelor of Science degree in Mechanical Engineering from Virginia Tech in 1967. He is a retired executive of American Electric Power and remains an active consultant to the power industry. Mr. Jones has been a member of the Department of Mechanical Engineering Advisory Board since 1998.

In concurrence with recommendations of the Mechanical Engineering honorifics committee and department head Dr. Azim Eskandarian, Dean Julie Ross nominates Dr. Jonathan Boreyko to hold the John R. Jones III Faculty Fellowship in Mechanical Engineering.

Dr. Boreyko has had an exemplary record of scholarship, teaching, service, and outreach during his tenure at Virginia Tech. He directs the Nature-Inspired Fluids & Interfaces Laboratory, a rapidly growing group in the department with 27 journal publications since 2017. Dr. Boreyko has had an impressive record of conducting cutting-edge research in the area of biomimetic surfaces and systems with applications in water harvesting, energy harvesting, anti-icing, phase-change heat transfer, and advanced materials.

Dr. Boreyko has received 13 external grants, totaling \$2.6M. His personal share is approximately \$2M. His funding extends over a wide variety of federal and private agencies: two National Science Foundation awards, including the prestigious CAREER Award, and the highly-competitive Air Force Office of Scientific Research Young Investigator Research Program (YIP) Award. His research has been supported by other government funding agencies and the industry, including the U.S. Department of Agriculture, GreenShift Corporation, Bemis Company, Collins Aerospace, Proctor & Gamble, 3M, and Brookhaven National Lab. Most impressively, Dr. Boreyko's funding is spread across various science and engineering disciplines, including vapor chambers, anti-icing technology, slippery oil-impregnated surfaces, synthetic trees, antiperspirant technology, fog harvesting, and pathogen transport in wheat crops.

RECOMMENDATION:

That Dr. Jonathan Boreyko be appointed to the John R. Jones III Faculty Fellowship in Mechanical Engineering for a renewable five-year term, effective November 10, 2020 with an annual operating budget provided by the endowment and the eminent scholar match, if available.

November 16, 2020

ENDOWED PROFESSORSHIP

Verizon Professorship

The Verizon Professorship was established in 2009 to provide support for the Pamplin College of Business at Virginia Tech. The Department of Business Information Technology has recommended that the professorship be awarded to Dr. Viswanath Venkatesh. The departmental Honorifics Committee and the College Honorifics and Awards Committee endorsed this nomination, as did Dean Robert Sumichrast.

Dr. Viswanath Venkatesh will be joining the Department of Business Information Technology in spring 2021 after serving as distinguished professor and the George and Boyce Billingsley Chair of Information Systems at the Walton College of Business at the University of Arkansas. He received his Ph.D. in Information and Decision Sciences from the University of Minnesota in 1997. He received a promotion to associate professor with tenure at the University of Maryland in 2002 and to professor at the University of Arkansas in 2004.

Dr. Venkatesh is a highly productive scholar who comes to us having published more than 100 articles, nearly half of which appear in Pamplin elite journals. He is one of only two scholars to have published 20 or more articles in *MIS Quarterly*, arguably the top journal in his field and a Pamplin elite journal. His work has received more than 25,000 web of science citations resulting in an *h*-index of 67. Dr. Venkatesh's research productivity has ranked him consistently among the top 10 researchers worldwide in the information systems field across his career.

Dr. Venkatesh has also been a highly effective teacher and mentor throughout his career. He has been actively involved in information systems program and curriculum revisions at two universities and has chaired the dissertation committees of seven successful students. He has served in many editorial roles and has been an invited speaker at numerous international conferences and universities to discuss his interests in the diffusion of technologies in organizations and society. In short, Dr. Viswanath Venkatesh is a highly accomplished scholar fully deserving of this professorship.

RECOMMENDATION:

That Dr. Viswanath Venkatesh be appointed to the Verizon Professorship effective January 16, 2021, with a salary supplement as provided by the endowment and, if available, with funds from the eminent scholar match program.

November 16, 2020