



UNIVERSITY OF GUAM
UNIBETSEDAT GUÅHAN
Board of Regents

Resolution No. 21-34

**RELATIVE TO AWARDING EMERITUS DEAN OF SCHOOL OF ENGINEERING
STATUS TO DR. SHAHRAM KHOSROWPANAH**

WHEREAS, the University of Guam (UOG) is the primary U.S. Land Grant institution accredited by the Western Association of Schools and Colleges Senior College and University Commission serving the post-secondary needs of the people of Guam and the Western Pacific region;

WHEREAS, the authority to bestow the title of Emeritus Dean is vested in the Board of Regents (BOR) resolution 1987 and the criteria and procedures were revised by BOR resolutions in 1999, 2001, and 2019;

WHEREAS, Director John Jenson of the Water and Environmental Research Institute (WERI) of the Western Pacific has nominated Dr. Shahram Khosrowpanah for the title of Emeritus Dean;

WHEREAS, the *Rules, Regulations, and Procedures Manual*, Article V, Chapter A. Faculty Input, Section 13. Emeritus(a) Professor provides the criteria for Dean Emeritus, to include 10 years of service as a faculty member and/or administrator, at least three (3) years of service in the position for which the status is to be bestowed; and significant contributions to UOG;

WHEREAS, Dr. Khosrowpanah has 35 years of service as a faculty member and/or administrator at UOG;

WHEREAS, Dr. Khosrowpanah was interim or Founding Dean of the School of Engineering from September 2016 to October 2021;

WHEREAS, Dr. Khosrowpanah has distinguished himself as a productive researcher, with dozens of publications and technical reports; as an effective administrator, leading WERI to national recognition during his two terms as director; as a highly effective instructor, helping to establish the MS Environmental Science program as well as the pre-Engineering and BS Engineering programs; and as a significant dean, establishing the School, a strong Advisory Council, and laying the foundation for a strong ABET accreditation effort;

WHEREAS, the enclosed nomination was reviewed and recommended for approval by the Senior Vice President & Provost, the Administrative Council, and the President; and

WHEREAS, the Academic, Personnel and Tenure Committee has reviewed the enclosed nomination and recommends to the BOR to award the title of Emeritus Dean for the School of Engineering to Dr. Khosrowpanah.


NOW, THEREFORE, BE IT RESOLVED, that the BOR hereby bestows the title of Emeritus Dean for the School of Engineering to Dr. Shahram Khosrowpanah, effective November 18, 2021.

Adopted this 18th day of November, 2021.



Liza J. Provide, Chairperson

ATTESTED:



Thomas W. Krise, Ph.D., Executive Secretary



Emeritus Administrator Nomination Form

Please refer to the full criteria, deadlines, and process in the University of Guam, Board of Regent's Bylaws Booklet of Appendices (copied at end for convenience). A current curriculum vitae that demonstrates that "significant contributions to the University of Guam" have been made by the nominee. CV must be submitted with this form.

Nominator section (disregard if self-nominated and fill-in the next section)

Dr. John Jenson
Nominator name

Colleague
Nominator's relationship to the nominee

jjenson@triton.uog.edu
Nominator's email

671 735-2689
Nominator's phone contact

Nominees' section

Dr. Sharam Khorsrwpanah
Nominees' name

From: November 1985 To: October 2021
Nominees' length of service at UOG
(dates that illustrate that the minimum time qualifications for this emeritus status have been met)

School of Engineering
Nominees' unit

Founding Dean, School of Engineering
Nominees' job title upon retirement

khosrow@triton.uog.edu
Nominees' email

(831) 689-3110
Nominees' phone contact

Nominee criteria (must meet all three (3) criteria). Note, full criteria, found below, must be met - these are generic criteria.

1. Has at least ten (10) years of service as a full-time faculty member and/or administrator at the University of Guam.
2. Has at least three (3) years of service in the position for which the Emeritus(a) status is to be bestowed.
3. Has distinguished himself/herself by making significant contributions to the University of Guam.

Deadlines

At least one (1) calendar month before a normally-scheduled UOG Board of Regent's Student Affairs, Scholarship, Alumni Relations and Honorary Degree (SASARHD) committee meeting.

Justification for nomination

Up to two (2) full pages (1" margins, 11 pt font) can be used for justifying the nomination request to the UOG Board of Regents. It is critical to focus this nomination information on the historical service that the nominee has performed in their (at least) ten (10) year career at UOG. It is recommended to use this file for those two (2) pages as it will keep this document together.

October 27, 2021

TO: Whom it may concern

FROM: Dr. John Jenson, Director, WERI



RE: Administrator Emeritus Nomination for Dr. Sharam Khosrowpanah

Dr. Khosrowpanah joined the University of Guam (UOG) faculty in November 1985 and invested his entire career in service to Guam and the rest of the region served by the University. He is now retiring after more than 35 years of distinguished service to the people of Guam, the Commonwealth of the Northern Mariana Islands (CNMI), and the Federated States of Micronesia (FSM). Dr. Khosrowpanah served continuously on the faculty of UOG's nationally-ranked Water and Environmental Research Institute of the Western Pacific (WERI) for more than three decades, from November 1985 through October 2016, including two terms totaling 12 years as director, from 1989 through 1997 and 2012 through 2016. In 1994, at Dr. Khosrowpanah's initiative, WERI extended its scope of service from Guam to include the FSM. Three years later, in 1997, it extended its scope again to include the CNMI. WERI conducts applied research, professional training, and educational research in water resources development, management, and protection in all three constituencies. In 1996, during his first term as director, WERI was designated as one of the top five of the nation's 54 state and territorial water resources research institutes by the US Geological Survey (USGS), which administers the federal program by which they are established. WERI has remained among the top-ranked ("Outstanding") institutes in each subsequent five-year review.

Beginning in 1989, Dr. Khosrowpanah, with other WERI faculty, launched UOG's extraordinarily successful two-year Pre-Engineering Program. In addition to his duties as a research faculty member and even while serving as Director of WERI, Dr. Khosrowpanah taught, with no additional compensation, four undergraduate Pre-engineering Program courses: *Introduction to Engineering*, *Engineering Graphics*, *Engineering Statics*, and *Engineering Dynamics*. Because of his outstanding classroom teaching skills and well-known commitment to the success of his students, Dr. Khosrowpanah is held in high esteem and regarded with affection by his former students. At least 28 pre-engineering students went on to complete four-year degrees, many of which now occupy senior leadership positions as company vice presidents and senior engineers in local engineering firms, successful self-employed proprietors of their own firms, or senior officials and managers in public agencies, including Guam Waterworks Authority. Noteworthy community leadership by his former students includes service on the UOG Board of Regents, leadership of the UOG School of Engineering Community Advisory Council, and leadership of the local chapter of the American Waterworks Association.

In 1994, also during his first term as WERI director, Dr. Khosrowpanah was among the small group of WERI faculty and other UOG colleagues who established the University's graduate Environmental Science Program. WERI's enduring support of the program is part of Dr. Khosrowpanah's legacy and has been a crucial element of its success. Of the nearly 70 students who have completed the program, more than 40 worked as student research assistants on WERI-sponsored projects with WERI faculty as

their thesis advisors. Together from among the Pre-Engineering and Environmental Science students who have been sponsored and trained by WERI faculty, at least 25 are currently employed on Guam as professional engineers, environmental scientists, natural resource managers, or educators. Dr. Khosrowpanah's contributions as a UOG research faculty member, WERI director, co-founder of the Pre-Engineering and Environmental Science Programs, classroom instructor, and graduate thesis advisor include five graduate students among those cited above who completed their theses under his advisement and mentorship. Of these, three are living and working on Guam, and two went on to earn doctoral degrees. Dr. Khosrowpanah's legacy as a research engineer leading teams of local colleagues and students working on local and regional problems also includes more than 35 technical reports, conference proceedings, and journal articles he wrote or co-authored with colleagues and students on subjects ranging from water treatment and distribution to erosion and pollution control to watershed analysis and management.

To promote seamless matriculation of UOG's pre-engineering students into high-quality four-year-degree programs, Dr. Khosrowpanah helped establish cooperative agreements with the University of Iowa in 2008 and with Mapua Institute of Technology in 2011, by which students completing UOG's two-year program could transfer directly into accredited four-year programs. In October 2009, University President Robert Underwood set out his vision to establish a UOG School of Engineering, and formed a cross-campus, interagency working group to develop a plan and a four-year curriculum. Dr. Khosrowpanah made pivotal contributions to the working group, including building relationships and coordinating agreements between leaders of UOG, the local professional community, and cooperating institutions. In September 2016, the UOG Board of Regents established the School of Engineering, and President Underwood asked Dr. Khosrowpanah to serve as interim dean. In the ensuing five years, the school has acquired four permanent faculty and three part-time faculty, who are now serving more than 200 students and has put in place a Bachelor of Science in Civil Engineering degree program approved by the Board of Regents in February 2018 and accredited by the WASC Senior College and University Commission in July 2019. The School of Engineering is progressing toward construction of a building, and Dr. Khosrowpanah has worked with local business leaders to raise \$400,000 for the building's laboratories. It continues to be enthusiastically supported across the region and will produce its first graduates in December 2021.

In April 2020, the UOG Board of Regents recognized Dr. Khosrowpanah for his long-standing commitment, extraordinary effort, outstanding leadership, and singular contributions to the successful founding of the new School of Engineering by conferring on him the permanent title of *Founding Dean of the School of Engineering, University of Guam*. It is fitting and proper that he also be duly honored and recognized for his extraordinary career-long contributions to UOG, which included exemplary service as a water resources engineer, research director, and instructor in engineering and environmental science, culminating in his service as *Founding Dean* by granting him the status of *Dean Emeritus*.

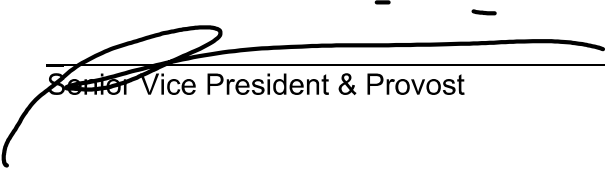
Recommendation of Dean/Director/Supervisor (as appropriate)

Based on the attached justification and current curriculum vitae, the applicant has distinguished himself/herself by making significant contributions to the University of Guam.

YES [] NO

Therefore, I recommend that this administrator emeritus nomination be forwarded to the UOG Administrative Council for consideration:

RECOMMENDED [] NOT RECOMMENDED


Senior Vice President & Provost

10/27/21
Date

Comments:

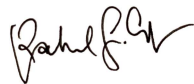
Recommendation of Administrative Council

Based on the attached justification and current curriculum vitae, the applicant has distinguished himself/herself by making significant contributions to the University of Guam.

YES [] NO

We recommend that this administrator emeritus nomination be forwarded to the President of the University of Guam for consideration:

RECOMMENDED [] NOT RECOMMENDED



Administrative Council, Chair

Nov 3, 2021
Date

Comments:

Recommendation of President to the Board of Regents

Based on the attached justification and current curriculum vitae, the applicant has distinguished himself/herself by making significant contributions to the University of Guam.

YES NO

Therefore, I recommend that this administrator emeritus nomination be forwarded to the full Board of Regents for consideration:

RECOMMENDED NOT RECOMMENDED



[Thomas Krise \(Nov 3, 2021 15:27 GMT+10\)](#)

Nov 3, 2021

President

Date

Comments:

I whole-heartedly support this nomination. Dr. K has made a very positive mark on UOG and deserves this high recognition.

SHAHRAM KHOSROWPANA
Professor of Civil Engineering
Interim Dean, School of Engineering
University of Guam, Mangilao, Guam 96923
Phone: (671) 735-2694; e-mail: khosrow@triton.uog.edu

EDUCATION

Ph.D. Civil Engineering, Colorado State University, 1984
M.S. Civil Engineering, Colorado State University, 1979
B.S. Irrigation Engineering, Rezaieh University, 1974

PROFESSIONAL REGISTRATION

Registered Professional Civil Engineer, Territory of Guam

EXPERIENCE

- 2016 - 2021 **Founding Dean, University of Guam, School of Engineering (SENG)**
Provided leadership for SENG operations and planning. Developed and administered the academic program and support functions of the school including the international programs. Developed external relationships for enhancing student placement opportunity and for funding support for SENG. Developed and managed the budget of the school. Provided leadership for student recruitment (scholarships, summer internships, and research assistantships) and provided academic advisement. Oversaw the construction process for the SENG facilities and coordinated and promoted academic matters with the other deans at the university. Provided recommendations and nominations for promotion and hiring for faculty and staff at the school. Generated additional funding for SENG through fundraising activities. Followed up on Accreditation Board for Engineering and Technology (ABET) requirements.
- 2012-2016 **Director, University of Guam, Water and Environmental Research Institute of the Western Pacific (WERI)**
Provided leadership for WERI operations and planning. Organized and coordinated the annual Guam, CNMI, and FSM advisory council meetings. Reviewed and funded selected proposals and prepared the final annual reports to the United States Geological Survey (USGS) and to the Guam administrator for the Guam Hydrological Survey (GHS).
- 1998-2012 **Professor, University of Guam, Water and Environmental Research Institute of the Western Pacific**
Conducted research and provided information dissemination of research findings. Provided teaching and training for the UOG Engineering and UOG Environmental Science graduate programs.

- 1997-1998 **Associate Professor, University of Guam, Water and Environmental Research Institute of the Western Pacific.**
- 1989-1997 **Director, University of Guam, Water and Environmental Research Institute of the Pacific**
- 1985-1989 **Assistant Professor, University of Guam, Water and Environmental Research Institute of the Western Pacific.**
 Conducted research on water resources issues and provided information dissemination throughout the western pacific region. Taught classes and provided hands-on training for Guam agencies.

Other Professional activities:

Consulting Engineer, (Partner), Pacific Rim Engineering, Guam, 1989-Present.
 Consulting Engineer, Baran Construction Co., Tehran, Iran, 1974-75.

Students Advised– Environmental Science Program

- **Michael F. Park**, 2007, A GIS-Based Soil Erosion Potential Model for the Ugum Watershed
- **Nicole Denise Scheman**, 2002, Erosion Processes and Sources of Exposed Patches in the La Sa Fua Watershed of Southern Guam
- **Collet Beausoliel**, 2001, Application of Slow Sand Filter Technology for Kosrae State.
- **Sydonia N. C. Manibusan**, 2012, Hydrologic Response of the Piti-Asan Watershed to Development.
- **William Whitman**, 2015, Dynamic Behavior of the Geus Watershed—Assessment of Turbidity.

COURSES TAUGHT- Pre-Engineering

ES100 (CEE100)-Introduction to Engineering – Spring
 ES101 (CEE101) – Engineering Graphics (using AutoCAD)
 ES201 (CEE201) – Engineering Statics
 ES202 (CEE202) – Engineering Dynamics

COURSES TAUGHT- Environmental Science Program

EV511 – Environmental Science (hydrology, open channel flow)
 EV513 – Environmental Impact Assessment

COURSES TAUGHT- Continuing Education

Fundamentals of Engineering – FE
 Professional Engineering – PE

Water Resources Training

Pump operation and maintenance
 Water supply - Leak detection
 Modeling water distribution systems

PUBLICATIONS AND REPORTS

- Sh. Khosrowpanah, Heitz L., Charles Guard, (1998), "Minimizing the Impact of 1998 Drought in Western Pacific", Third International Symposium on Water Resources and Fifth Caribbean Island Water Resources Congress.
- Heitz, L. F., Shahram Khosrowpanah, and Jay Nelson, Sizing of Surface Water Runoff Detention Ponds for Water quality Improvement, Journal of the American Water Resources Association, Vol. 36, No. 3, June 2000, pp. 541-548.
- Sh. Khosrowpanah., L. Heitz, & C. Beausoliel, The Application of Slow Sand Filtration Technology for Kosrae State, FSM: A Pilot Project, University of Guam/WERI, Technical Report No. 91, May 2001.
- Sh. Khosrowpanah, Collet Beausoliel, L. Heitz, (2001), "The Application of Slow Sand Filter Technology for Kosrae State", University of Guam/WERI Mangilao, Report No 91.
- Sh. Khosrowpanah, "Rainfall Erosivity Factors for Selected Islands in the Federated States of Micronesia", Proceedings of the Coastal Water resources, American Water Resources Association, New Orleans, Louisiana, pp. 225-230, May 2002.
- Sh. Khosrowpanah, L. Heitz, "Water Resources Management: A Challenging Issue for Tropical Islands in the Western Pacific", Journal of Water Resources, American Water Resources Association, Vol. 5, No. 3, May 2003.
- Sh. Khosrowpanah, N. Scheman, "Badland Erosion rates and Sources in a Tropical Watershed", Proceedings of 2003 Annual Conference, Soil and Water Conservation Society, Spokane, Washington, July 2003.
- Sh. Khosrowpanah, Mark Lander, and L. Heitz, "Pohnpei-the wettest island on earth? Tools for managing watershed", Proceeding of the Institutions for sustainable watershed management, American Water Resources Association, Honolulu, Hawaii, June 27-29, 2005.
- Sh. Khosrowpanah, and John Jocson, 2005. "Environmental Assessment for Non-Point Sources of Pollution for Ugum Watershed", University of Guam/WERI, Technical Report No.109, December 2005.
- Sh. Khosrowpanah, Leroy Heitz, and Michael Park, 2007. "Developing a GIS-Based Erosion Potential Model for Ugum Watershed", University of Guam/WERI, Technical Report No.117, March 2007.
- Sh. Khosrowpanah., Y. Wen, John Jocson, D. Taborosi. (2008), "Natural Resources of Southern Guam", University of Guam/WERI, Mangilao, Guam, Report No 116, October, 6pp.
- Sh. Khosrowpanah, 2009. "The Impact of Guam's Population growth on Island Water Resources". Proceeding of the International Workshop on Sustainable City Region, Bali, Indonesia, February 2009, pp. 137-142.
- Sh. Khosrowpanah, 2009." Development of Junction Water Demands for the Saipan Water Dist. System numerical Model". Proceeding of the 2009 American Water Works Association AWWA DDS Conference, Reno, Nevada, August 30, 2009.
- Heitz, Leroy, Sh. Khosrowpanah, 2010. Prediction of Flow Duration Curves for Use in Hydropower Analysis for Ungaged Sites in Pohnpei, FSM. University of Guam/WERI, Technical Report No. 129, July, 24 pp.

- Luo, Qiang Charles, Sh. Khosrowpanah, 2010. Calibration and Application of Luom in Southern Guam Watersheds with and without Flow Data. University of Guam/WERI, Mangilao, Guam, Technical Report No. 128, April, 93 pp.
- Sh. Khosrowpanah, Yuming Wen, and Danko Taborosi, 2010. "Development digital Watershed Atlas of natural resources of Southern Guam". Proceedings of 9th International Conference on Hydroinformatics, Tianjin, China, pp. 1593-1598, September 7-10, 2010.
- Wen, Yuming, Sh. Khosrowpanah, and Leroy Heitz, 2011. "Land Cover Change of watersheds in Southern Guam from 1973 to 2001". Journal "Environmental Monitoring and Assessment", Volume 179, Numbers 1-4, August 2011, pp. 521-529 (9).
- Qiang Charles Luo, Sh., Khosrowpanah, 2012. "Continuing Calibration and Application of Luom in the Southern Guam Watersheds not covered in the preceding project", Water and Environmental Research Institute (WERI), University of Guam, Mangilao, Guam, Report No. 131, 68 pp.
- Heitz, F. Leroy, Shahram Khosrowpanah, 2012. "Prediction of Flow Duration Curves for use in Hydropower Analysis at Ungaged Sites in Kosrae, FSM", Water and Environmental Research Institute (WERI), University of Guam, Mangilao, Guam, Report No. 137, 28 pp.
- Sh. Khosrowpanah, Mark Lander, Mohammad Golabi, Sydonia Manibusan, 2012. "A GIS-Based Watershed Management Plan for the Piti-Asan Watersheds", Water and Environmental Research Institute (WERI), University of Guam, Mangilao, Guam, Report No. 139, 76 pp.
- Sh. Khosrowpanah, S., Heitz, L. (2012). "Improving the Weno, Chuuk Water Distribution System Using Hydraulic Modeling and Geographic Information Systems", University of Guam, Report No 140.
- Sh. Khosrowpanah, 2013. "Watershed Management: Ugum and Piti-Asan Watersheds", Presented at 27th Pacific Islands Environment Conference, Guam, June 26-28, 2013.
- Heitz, F. and Shahram Khosrowpanah, 2013, "Improving the Weno, Chuuk Water Distribution System Using Hydraulic Modeling and Geographic Information Systems", Water and Environmental Research Institute of the Western Pacific (WERI), University of Guam, Report No 140, 50 pp.
- Sh. Khosrowpanah, D. Taborosi, Maria Kottermair, (2013), "Digital Atlas of Northern Guam", University of Guam/WERI, Mangilao, Guam Report No 145, December, 11pp.
- Heitz, F. Leroy, Shahram Khosrowpanah, 2014. "Improving the Pohnpei Island Water Distribution System Using Hydraulic Modeling and Geographic Information Systems", Water and Environmental Research Institute of the Western Pacific (WERI), University of Guam, Report No 148, 50 pp.
- Sh. Khosrowpanah, 2015. "Watershed Management: Manell-Geus Watershed", 2015 Island Sustainability Conference, Guam, April 15-16, 2015.
- Heitz, F. and Shahram Khosrowpanah, 2015, "Prediction of Flow Duration Curves at Ungaged Sites in Guam", Water and Environmental Research Institute of the Western Pacific (WERI), University of Guam, Report No 154, 34 pp.
- Sh. Khosrowpanah, 2015, "Assessment of Turbidity in the Geus River Watershed in Southern Guam", Water and Environmental Research Institute of the Western Pacific (WERI), University of Guam, Report No 156, 40 pp.

- Sh. Khosrowpanah, S. (2016). UOG's Emerging School of Engineering: Training Tomorrow's Engineers to meet Today's Community Needs. *Asian Pacific Academy of Sciences, Education, Environmental Management*. Abstracts. Saipan, November 10, 2016.
- Sh. Khosrowpanah, Heitz, L. (2016). Prediction of Flow Duration Curves at Ungaged Stream Sites in Guam. *American Water Works Association (AWWA)*. Abstracts. Lotte Guam Hotel, Guam, April 11-12, 2016. Abstracts.
- Sh. Khosrowpanah, S., Lander, M. (2017). Water in Changing Environment. *University Council on Water Resources (UCOWR), Fort Collins, Colorado, June 13-15, 2017*.
- Sh. Khosrowpanah, Heitz, L. (2015). "Development of a Geographic Information System for the Commonwealth Utility Corporation, Saipan Water Distribution System", University of Guam, Report No 132
- Sh. Khosrowpanah, Bearden, B. (2018). "Optimizing operation of the Saipan W.D.S. using Diurnal Demand Pattern and system Precure", American Water Works Association (AWWA). Abstracts, Hyatt Hotel, Guam, March 27, 2018
- Sydonia Manibusan, Shahram Khosrowpanah, Mark Alan Lander, Mohammad Golabi, Ujwalkumar Dashrath Patil, A GIS Based Assessment of a Dynamic Watershed in Guam, *Hydrology*. Vol. 7, No. 1, **2019**, pp. 1-9. doi: 10.11648/j.hyd.20190701.11
- William M. C. Whitman, Shahram Khosrowpanah, Mark Lander, Ujwalkumar D. Patil. Joseph D. Rouse, (**2018**) "Assessment of a Dynamic Watershed vis Field Studies and GIS-Based Erosion Model" , *Hydrology*. Vol. 6, No. 3, 2018, pp. 88-99. doi: 10.11648/j.hyd.20180603.12
- Shahram Khosrowpanah, Mark Alan Lander, Ujwalkumar Dashrath Patil, Development of the Stage Flow Relations for a Tropical Watershed, *Hydrology*. Vol. 7, No. 3, **2019**, pp. 38-45. doi: 10.11648/j.hyd.20190703.11