

## Brief Summary of Evidence Documenting Excellence in Service

Criteria	Documented Evidence
<b>Service that Advances the Mission of the University, College, &amp; Department</b>	
a. Serving and participating as a valued team member on departmental and program committees, task forces, etc.	<ul style="list-style-type: none"> <li>• Active engagement in ISAT department, BS ISAT, MS ISAT, and MS SERM programs</li> <li>• Active engagement in Assessment Committee and Assessment Day activities</li> <li>• Active engagement in IKM academic team; Chair in 2011-2012 and 2012-2013</li> <li>• Active engagement in Social Context academic team</li> <li>• Participated in IA hiring committee that led to selection of S. Marron and E. Reid (2013)</li> <li>• Participated in ISAT telecom hiring committee that led to selection of S. El-Tawab (2012)</li> <li>• Participated in IA hiring committee that led to selection of T. Walton (2011)</li> <li>• Participated in interviews for social context hires starting in Fall 2014</li> </ul>
b. Serving and participating as a valued team member on college and university committees, task forces, etc.	<ul style="list-style-type: none"> <li>• Served on New College (CISE) Steering Committee prior to reorganization, performing data analysis from faculty surveys to inform recommendations</li> <li>• Workshop leader for JMU "Expanding Your Horizons" program for junior high school girls, 2012 and 2013</li> <li>• Spirituality Dialogues (Wellness Passport Program) Facilitator (2011, 2012, 2013)</li> <li>• Spirituality Dialogues (Wellness Passport Program) Co-Chair (2013)</li> <li>• Ad hoc Quality Enhancement Program (QEP) consultant, 2011</li> </ul>
c. Participating in public relations events and student recruiting.	<ul style="list-style-type: none"> <li>• Participated in ISAT Homecoming events, and brought the <i>JMU Free Flow</i> club (which I advise) to the 2013 event as entertainment</li> <li>• Participated in the 20th Anniversary ISAT celebration in 2014</li> <li>• Led "Tech Tours" for the Charlottesville Business Innovation Council (CBIC) for underrepresented Virginia high school students in 2011 and 2012</li> </ul>
d. Participating in grant proposals for external funding for teaching and equipment support.	<ul style="list-style-type: none"> <li>• Received 4VA funding (\$5000) for new course development to introduce computer programming through the lens of <i>data science</i> for Intelligence Analysis (IA) students</li> </ul>
e. Serving as faculty advisor to student organizations.	<ul style="list-style-type: none"> <li>• Faculty Advisor for <i>JMU Free Flow</i>, student club for flow arts (hoops, poi, staff, fire spinning)</li> </ul>
f. Serving as a satisfactory student curriculum advisor.	<ul style="list-style-type: none"> <li>• Advised 28 students who completed 11 undergraduate senior capstone projects between 2010 and 2014</li> </ul>

	<ul style="list-style-type: none"> <li>• Served on 2 MS ISAT thesis committees</li> <li>• Currently advising 6 students on 3 senior capstone projects, to be completed in 2015</li> <li>• Currently serving on 1 MS ISAT and 1 MS SERM thesis committee</li> </ul>
g. Initiating or carrying out a program which leads to a significant increase in ISAT or JMU resources, or in ISAT/JMU's ability to perform its mission.	<ul style="list-style-type: none"> <li>• Provided leadership in preparing Section 2 (Program Educational Objectives), Section 3 (Student Objectives), Section 4.B (Overview of ISAT Assessment Methods &amp; Continuous Improvement Process) and Section 4.E (Examples of Learning and Integration in Continuous Improvement) for ABET Self-Study Report for BS ISAT accreditation</li> <li>• Coordinated production of and edited "Overview of the BS Program in Integrated Science and Technology (BS ISAT). Prepared for review by the STEM/HHS Executive Advisory Council (EAC)" in October 2012 (by Radziwill, N. M., Tang, J., Handley, M., Henriksen, P., Goodall, P., Altaii, K. &amp; Pappas, E.)</li> <li>• Eliminated dependence on Minitab, NeuroShell, and Corvid software, releasing ~\$4K in licensing fees per year</li> </ul>
h. A major service or office at the Department, College, or University level.	<ul style="list-style-type: none"> <li>• None</li> </ul>
i. Service leadership, e.g. the ability to initiate and execute constructive change in the ISAT program.	<ul style="list-style-type: none"> <li>• Demonstrated leadership in proposing and presenting a potential strategy for the MS ISAT program (w/M. Papadakis and J. Barnes)</li> <li>• Prepared and presented ideas for new curriculum elements in renewal of BS ISAT program in faculty meeting (w/M. Benton), April 2014</li> </ul>
j. Other professional service which the PAC deems to be a leadership contribution.	<ul style="list-style-type: none"> <li>• None additional</li> </ul>
<b>Service that Advances One's Professional Scholarly Community</b>	
a. Serving as a referee or reviewer of scholarly articles or textbooks.	<ul style="list-style-type: none"> <li>• Member of Editorial Review Board for 4 academic journals, including the top-ranked journal in my field, reviewing 8-12 articles total each year since 2007</li> <li>• Edited 2 chapters for <i>Lean Six Sigma Approaches in Manufacturing, Services, and Production</i> by Edem Tetteh (Ed.), IGI Global, 2014</li> <li>• Edited 4 chapters for <i>Statistics in Practice</i> by Moore, Macmillan/W.H. Freeman, 2013</li> </ul>
b. Reviewing proposals for sponsored government, academic, or industry programs.	<ul style="list-style-type: none"> <li>• Since 2003, served on 19 of 21 (invited) confidential review panels for the National Science Foundation (NSF) and Department of Energy (DOE), to evaluate requests for funding for scientific instrumentation and facilities ranging from small grants (~\$300K) to large multi-year grants (\$115M)</li> </ul>

<p>c. Serving as an officer of a professional organization.</p>	<ul style="list-style-type: none"> <li>• Served as elected Chair (2009 to 2011) and Audit Committee Chair (2012) of the ASQ Software Division, overseeing the production of 4 international conferences, a professional certification program, and a published position paper</li> <li>• Served as elected Vice President of the ATMAE Management Division (2010 to 2012), overseeing the technical program for 3 national conferences</li> <li>• Other roles as certification exam proctor, advisory board member, technical committee member, newsletter editor, and regional councilor since 2006</li> </ul>
<p>d. Serving as an editorial member of a professional journal.</p>	<ul style="list-style-type: none"> <li>• Associate Editor for the <i>Journal of Astronomical Telescopes, Instrumentation, and Systems</i> (JATIS) starting in 2014</li> <li>• Book Review Editor for the <i>Quality Management Journal</i> since April 2013</li> <li>• Editor for 4 volumes of SPIE's <i>Software and Cyberinfrastructure for Astronomy</i> from 2008 through 2014</li> </ul>
<p>e. A major effort conducting workshops, symposia, and training sessions in one's professional area.</p>	<ul style="list-style-type: none"> <li>• As ASQ Software Division Chair from 2009 to 2011, provided oversight for technical programs for 4 international conferences</li> <li>• As ATMAE Management Division Vice President from 2010 to 2012, provided oversight for production of technical program for 3 national conferences</li> <li>• Program Chair for SPIE Software and Cyberinfrastructure for Astronomy Conference 2008, 2010, 2012, and 2014, responsible for production of technical program</li> <li>• Program Organizing Committee for SPIE Software and Cyberinfrastructure for Astronomy and SPIE Observatory Operations and Management conferences for 2004, 2006, 2008, 2010, 2012 and 2014; Program Organizing Committee for Astronomical Data Analysis and Software in 2009</li> <li>• Technical Program Committee for ASQ World Conference on Quality and Improvement (WCQI) 2010, 2012</li> <li>• Marketing Chair for 2 international conferences in 2008 and 2009</li> </ul>
<p>f. Other professional service to the faculty member's professional scholarly community which the PAC deems to be a leadership contribution.</p>	<ul style="list-style-type: none"> <li>• Appointed by the U.S. Congress as an Examiner for the Malcolm Baldrige National Quality Award (MBNQA) program, 2009 and 2010</li> <li>• Preliminary Round Judge for the ASQ International Team Excellence Award (ITEA) program, 2008 and 2011</li> </ul>
<p><b>Service that Benefits Society in Areas Related to One's Professional Expertise</b></p>	
<p>a. A contribution which applies the resources of the University to solving a problem of local, regional,</p>	<ul style="list-style-type: none"> <li>• Advisor for 4 service-learning projects helping local Harrisonburg nonprofits and agencies</li> </ul>

<p>state, national, or international concern.</p>	<ul style="list-style-type: none"> <li>• Advisor for 2 service-learning projects helping Harrisonburg area small businesses</li> <li>• Panelist for Teragrid (national cyberinfrastructure) Science Advisory Board (SAB), 2009</li> </ul>
<p>b. A major effort to solve a problem at the local, state, national or international level providing a significant benefit to society and in an area directly related to one's professional expertise.</p>	<ul style="list-style-type: none"> <li>• NSF Consultant to "Managing Cyberinfrastructure Centers" Workshop, University of Georgia Terry College of Business, Athens GA, October 2011</li> </ul>
<p>c. A major service or office at the local, state, or national level related to one's professional competence.</p>	<ul style="list-style-type: none"> <li>• Member of the U.S. Technical Advisory Group (TAG) for the ISO 26000 Standard for Social Responsibility in 2009, representing SSRO (Services and Research Organizations)</li> </ul>
<p>d. Other professional service directed at the betterment of society which the PAC deems to be a significant contribution.</p>	<ul style="list-style-type: none"> <li>• Advisor for development of 2 international standards (ISO 26000 and IEEE P703)</li> <li>• Advisor for development of ASQ's Social Responsibility (ISO 26000) Body of Knowledge which will serve as the basis for professional certification programs</li> </ul>