



OFFICE OF SPONSORED PROGRAMS

Recognition Reception

October 6, 2017

*Honoring all involved in the pursuit of external
funding at James Madison University during*

Fiscal Year 2017

(July 1, 2016 - June 30, 2017)

Order of Events

- ◆ Refreshments
- ◆ Welcoming Remarks
Dr. Heather J. Coltman
- ◆ Faculty Highlight Speaker
Dr. Caroline P. Lubert
- ◆ Award Announcements
- ◆ Adjournment



Meet our Speakers

Dr. Heather J. Coltman Provost & Senior Vice President for Academic Affairs

Dr. Coltman began her role as JMU's new Provost and Senior Vice President for Academic Affairs on July 1, 2017.

Previously, she was the Dean of the Dorothy F. Schmidt College of Arts and Letters at Florida Atlantic University. A solo and collaborative concert pianist with more than 30 years of experience as a music educator, Dr. Coltman worked in academic administration at Florida Atlantic University throughout the past fourteen years. Her mission here at JMU is to enhance and sustain a vibrant academic culture that supports and enriches faculty and students, inspiring and empowering them to reach the highest levels of excellence. She is also committed to providing an exceptional educational experience, designed to meet the changing needs of the students in society.



Dr. Caroline P. Lubert Mathematics & Statistics

Dr. Lubert has been working in the field of aeroacoustics for thirty years. Since the Summer of 2012, she has collaborated with NASA and Orbital ATK to investigate the earth-shaking acoustical vibrations that occur when Orbital's Antares rockets are launched on their mission to resupply the International Space Station. Involving students directly in her research –which is both experimental and theoretical – she has them spend time on the launch pad at NASA Wallops flight facility. Both she and her students have presented papers at numerous conferences, and



Dr. Caroline P. Lubert

continued

authored several academic papers. Dr. Lubert was one of the twelve recipients of the 2017 Outstanding Faculty Award from the State Council of Higher Education for Virginia.

Recognized Accomplishments

**If your name is listed under an accomplishment title with a * next to it, please visit the award table as you leave.*

Cumulative Funding Tiers

Faculty that have received an award in external funding during fiscal year 2017 as well as being awarded a cumulative total of at least the money club amount throughout their career at James Madison University.

20 Million Dollar Club*

- ◆ Cheryl Henderson, Training/Technical Assistance Center

15 Million Dollar Club*

- ◆ Kim Hartzler-Weakely, Institute for Innovation in Health & Human Services

10 Million Dollar Club*

- ◆ John McNaught, Training/Technical Assistance Center
- ◆ Ken Rutherford, Center for International Stabilization & Recovery
- ◆ Rhonda Zingraff, College of Health & Behavioral Studies

5 Million Dollar Club*

- ◆ Bob Kolvoord, College of Integrated Science & Engineering
- ◆ Jonathan Miles, Integrated Science & Technology

2 Million Dollar Club*

- ◆ Emily Akerson, Institute for Innovation in Health & Human Services
- ◆ Jennifer Coffman, Center for Global Engagement
- ◆ Daniel Downey, Chemistry & Biochemistry
- ◆ Kim Foreman, College of Business
- ◆ Kevin Giovanetti, Physics & Astronomy Department
- ◆ Alleyn Harned, Virginia Clean Cities
- ◆ Pat Kennedy, Institute for Innovation in Health & Human Services
- ◆ Joyce Krech, Small Business Development Center
- ◆ Jonathan Monroe, Biology Department
- ◆ Gabriel Niculescu, Physics & Astronomy Department
- ◆ Lee Sternberger, Center for Global Engagement
- ◆ Nick Swayne, College of Education

1 Million Dollar Club*

- ◆ Tom Benzing, Integrated Science & Technology
- ◆ Suzanne Fiederlein, Center for International Stabilization & Recovery
- ◆ Mark Gabriele, Biology Department
- ◆ Bob McKown, Integrated Science & Technology
- ◆ M. Ioana Niculescu, Physics & Astronomy Department
- ◆ Anthony Tongen, College of Science and Mathematics
- ◆ Steven Whitmeyer, Geology & Environmental Science
- ◆ William Wood, Center for Economic Education

\$500,000 Club*

- ◆ Carrie Chenery, Shenandoah Valley Partnership
- ◆ Tom DeVore, Chemistry & Biochemistry
- ◆ Carol Fleming, Outreach & Engagement
- ◆ Lincoln Gray, Communication Sciences & Disorders
- ◆ Jacquelyn Nagel, Department of Engineering
- ◆ Robert Nagel, Department of Engineering
- ◆ Carole Nash, Integrated Science & Technology
- ◆ Cynthia O'Donoghue, Communication Sciences & Disorders
- ◆ Eric Pyle, Geology & Environmental Science
- ◆ Ronald Raab, Integrated Science & Technology
- ◆ Mark Rankin, English Department
- ◆ Lisa Schick, Education Programs
- ◆ Kristen St. John, Geology & Environmental Science
- ◆ Jacqueline Williams, Kinesiology Department
- ◆ Roshna Wunderlich, Biology Department

1st Time Proposal Submission at JMU

Faculty who submitted a proposal for the first time at JMU during fiscal year 2017

- ◆ Lindsay Aldrich (Co-PI), Center for International Stabilization & Recovery
- ◆ Lauren Alleyne, Furious Flower Poetry Center (*Awarded*)
- ◆ Dmytro Babik, Computer Information Systems & Business Analytics
- ◆ Dudley Bonsal (Co-PI), Integrated Science & Technology
- ◆ Samy El-Tawab, Integrated Science & Technology
- ◆ Özlem Ersin, College of Health and Behavioral Studies

1st Time Proposal Submission at JMU

- ◆ Mollie Godfrey (Co-PI), English
- ◆ Jason Good, Center for Global Engagement
- ◆ John C. Guo (Co-PI), Computer Information Systems & Business Analytics (*Awarded in FY 18*)
- ◆ Jaime Lee, Communication Sciences & Disorders
- ◆ Erica Lewis (Co-PI), Nursing
- ◆ Melissa Lubin, Outreach & Engagement (*Awarded in FY 18*)
- ◆ Shah Mahmoud Hanifi, History (*Awarded*)
- ◆ Brooks Hefner, English (*Awarded in FY 18*)
- ◆ Michelle Hesse (Co-PI), Health Professions
- ◆ Heather Holsinger (Co-PI), Center for International Stabilization & Recovery
- ◆ Dan Holt, Psychology
- ◆ Cindy Hunter (Co-PI), Social Work (*Awarded in FY 18*)
- ◆ Masoud Kaveh Baghbadorani (Co-PI), Physics & Astronomy
- ◆ Christina Lam (Co-PI), Nursing (*Awarded*)
- ◆ Sharon Maiewski (Co-PI), Health Sciences
- ◆ Fred Mayhew (Co-PI), Political Science (*Awarded*)
- ◆ Sean McCarthy, Writing, Rhetoric & Technical Communications
- ◆ Sarah Newman, Sociology & Anthropology (*Awarded*)
- ◆ Samuel Nickels (Co-PI), Graduate Psychology
- ◆ Minah Oh, Mathematics & Statistics
- ◆ Andy Peachey (Co-PI), Health Sciences (*Awarded*)
- ◆ Erin Piker, Communication Sciences & Disorders
- ◆ Jesse Rathgeber (Co-PI), School of Music (*Awarded in FY 18*)

1st Time Proposal Submission at JMU

continued

- ◆ Edna Reid, Integrated Science & Technology
- ◆ Raymond Rodriguez, Educational Foundations & Exceptionalities
- ◆ Sarah Sackett, Kinesiology (*Awarded*)
- ◆ Emil Salib (Co-PI), Integrated Science & Technology
- ◆ Debbie Sturm, Graduate Psychology (*Awarded in FY 18*)
- ◆ Baback Vaziri, Computer Information Systems & Business Analytics
- ◆ George Vidal, Biology
- ◆ Marquis Walker, Biology
- ◆ Dave Wang (Co-PI), School of Media Arts & Design (*Awarded*)
- ◆ Hao Zhang, Integrated Science & Technology

1st Time Award Recipients at JMU*

Faculty who have been awarded external funding for the first time at JMU during fiscal year 2017

- ◆ Lindsay Aldrich (Co-PI), Center for International Stabilization & Recovery
- ◆ Hala Al Hajj Shehadeh, Mathematics & Statistics
- ◆ Lauren Alleyne, Furious Flower Poetry Center
- ◆ Charles Blake (Co-PI), Political Science
- ◆ John Bowers, Computer Science
- ◆ Keston Fulcher, Center for Assessment & Research Studies
- ◆ Jason Good, Center for Global Engagement
- ◆ Shah Mahmoud Hanifi, History
- ◆ Brant Jones (Co-PI), Mathematics & Statistics
- ◆ Christina Lam (Co-PI), Nursing

1st Time Award Recipients at JMU*

- ◆ Tim LaPira, Political Science
- ◆ Christie Liu (Co-PI), Libraries & Educational Technologies
- ◆ Fred Mayhew (Co-PI), Political Science
- ◆ Sarah Newman, Sociology & Anthropology
- ◆ Sarah Sackett, Kinesiology
- ◆ Carolyn Schubert, Research & Education Services
- ◆ Laura Trull, Social Work
- ◆ George Vidal, Biology
- ◆ John Webb (Co-PI), Mathematics & Statistics
- ◆ Jerry Weniger, Health Professions

1st Year Faculty Recognition*

First year faculty members at JMU who either submitted a proposal for external funding or were awarded external funding in fiscal year 2017

- ◆ Lauren Alleyne, Furious Flower Poetry Center
- ◆ Dudley Bonsal, Integrated Science & Technology
- ◆ Masoud Kaveh Baghdadorani, Physics & Astronomy
- ◆ Jaime Lee, Communication Sciences & Disorders
- ◆ Sarah Newman, Sociology & Anthropology
- ◆ Erin Piker, Communication Sciences & Disorders
- ◆ Jesse Rathgeber, School of Music
- ◆ Baback Vaziri, Computer Information Systems & Business Analytics
- ◆ George Vidal, Biology
- ◆ Marquis Walker, Biology
- ◆ Hao Zhang, Integrated Science & Technology

Award Announcements

Research and Scholarship Outstanding Faculty Award Recipients

Presented by Tamara Hatch, Interim Director, Office of Sponsored Programs, Pre-Award

The Office of Sponsored Programs (OSP) asked Department Heads to nominate faculty within their department who met criteria areas in teaching, scholarship, service, and mentoring through their externally funded projects during fiscal year 2017. These nominations were forwarded to a selection committee made up of interdisciplinary faculty and staff members at JMU to represent a wide range of academic divisions. The committee members' award recommendations were the basis in selecting the final award recipients.

Daniel M. Downey, Ph.D.

Chemistry & Biochemistry Department

Dr. Downey began his career at JMU in 1985. He has received the Madison Scholar Award from the College of Mathematics and numerous awards for service to the environment including awards from fisheries and conservation organizations. His research on environmental chemistry is exceedingly strong and has resulted in many solutions for environmental problems and numerous publications. With support from Dr. Downey's externally funded projects, he has been able to involve undergraduates in research aimed at studying and correcting water chemistry in the Shenandoah Valley region and beyond. Dr. Downey was the Principal Investigator on the first National Science Foundation Research Experiences for Undergraduates (REU) award at the university. He co-authored six additional successful grants and each was funded for three years. These afforded JMU students and external students the opportunity to gain important research experiences that would not have been possible without external funding. During fiscal



year 2017, Dr. Downey received two awards in external funding. One from the USDA Forest Service to monitor stream water quality and one from the VA Department of Game and Inland Fisheries to conduct a comprehensive lake water chemistry evaluation of several lakes in the watershed of the Chesapeake Bay.

Mark Gabriele, Ph.D.

Department of Biology

Dr. Gabriele has been a member of the Department of Biology at JMU for 16 years. As a Principal Investigator on an NSF-MRI award, he acquired a laser scanning confocal microscope to serve as a regional research and education resource. This has not only exposed JMU students to high-end imaging applications, but also students from other universities in the surrounding area. Dr. Gabriele's NIH R15 funding history has also given early exposure and unique research opportunities to many undergraduates. Over his career at JMU, Dr. Gabriele has obtained over 1.3 million dollars in external funding. JMU has recognized his significant discoveries and the inclusion of his students in every step along the way with the Provost's Award (2013), the Madison Scholar Award (2014) and with Madison Trust and Provost Research Grant Awards (2017). Additionally, this past year he was recognized as a finalist for the prestigious state-wide SCHEV most Outstanding Faculty Award. Dr. Gabriele has been a great mentor and makes a point to share his expertise in obtaining external funding with colleagues and junior faculty. During fiscal year 2017, Dr. Gabriele received another R15 (Academic Research Enhancement Award) from NIH to advance understanding of the development, organization, and functionality of a multimodal structure important for orientation and reflexive behaviors. Dr. Lincoln Gray, Professor in the Communication Sciences and Disorders department, serves as a Co-PI for this project.



Kim Hartzler-Weakley, MS, Doctoral Candidate

Institute for Innovation in Health and Human Services

Hundreds of students each year become enlightened by experiences they have through IIHHS in the dozen programs Ms. Hartzler-Weakley sustains with grants. As the Principal Investigator, Ms. Hartzler-Weakley secured the largest grant in the history of IIHHS this year. The Virginia Personal Responsibility Education Program Innovative Strategies project is a comprehensive, collaborative effort that emphasizes both abstinence and contraception and addresses the adulthood preparation subjects of healthy relationships, healthy life skills, adolescent development, and parent-child communication in order to increase knowledge and skills, and change behaviors. Over the last few years Ms. Hartzler-Weakley's grant-funded staff have worked hard to update the sexuality education program in Rockingham County. Strong relationships with this school system help enrich the experiential learning available to students who are apart of IIHHS' program. A major accomplishment for the Reading Road Show-Gus Bus, a grant-funded project that Ms. Hartzler-Weakley serves as the Principal Investigator for, received the National Art & Humanities Youth Program Award in November 2016. This award was celebrated at a ceremony held at the White House and was presented by First Lady Michelle Obama. During fiscal year 2017, Ms. Hartzler-Weakley received 30 sponsored program awards from various sponsors totaling to \$3,537,641 in external funds for JMU.



Elizabeth Johnson, Ph.D.

Department of Geology and Environmental Science

As either a PI or Co-PI, Dr. Johnson is currently funded through three NSF grants, which provides excellent opportunities as well as strong mentoring for JMU students. One of these project's purpose is to

determine if past mega-eruptions at Yellowstone Caldera, Long Valley Caldera in California, and Taupo in New Zealand, were triggered externally by earthquakes or from the volatiles contained within the magmas themselves. This is important to understand for scientific purposes and to assess human hazards. Last summer, JMU students were given the opportunity to analyze samples from Yellowstone and at the Smithsonian Institution through this project. The students also traveled to Long Valley and learned how to analyze volcanic ash fall and pyroclastic deposits with a group of graduate students and professors from the University of Oregon and Victoria University. From this experience the students were able to present at the Southeastern Geological Society of America Meeting as well as at the Geology and Environmental Science Department Student Research Symposium. During fiscal year 2017, Dr. Johnson was also awarded by NSF a collaborative proposal with NOVA Community College and Wilkes University to create web-based geoscience laboratory learning modules. Dr. Christie Liu, Senior Instructional Designer in the Innovation Services Department, serves as a Co-PI for this project.



Jonathan Monroe, Ph.D.

Department of Biology

Dr. Monroe has been a member of the Biology department for 25 years and has received over 2 million dollars in external funding during his time at JMU. Early in Dr. Monroe's time at JMU he created two semester-long lab projects in which students could do original research. Both of these projects were supported through external funding and were highly successful. In 2001, Dr. Monroe received the American Society of Plant Biologists "Excellence in Teaching Award", and in 2011 he was recognized by the



Jonathan Monroe, Ph.D.

continued

JMU Alumni Association with their "Distinguished Faculty Award." Through his efforts in grant writing and the implementation of the grants' proposal curricula improvements, many students have benefited from updated and cutting-edge lab experiences. The majority of external funds awarded to Dr. Monroe have supported his research program on characterizing the function of starch metabolizing enzymes in the model plant *Arabidopsis thaliana*. These efforts have involved an array of students at JMU that has helped support their honor theses, presentations at regional and national meetings, invitations to seminars, and peer-reviewed publications. Dr. Monroe's reputation as a nationally recognized researcher is enhanced by his extensive service to his national professional organization, the American Society of Plant Biologists, including 7 years on their Board of Trustees. His expertise is also recognized through serving as a peer-reviewer for 9 different professional journals. During fiscal year 2017 he received two additional awards in external funding one from NSF and the other from the American Society of Plant Biologists to both contribute to his research program on the model plant *Arabidopsis thaliana*.

Gerald R. Weniger, MEd, MPAS, ATC, PA-C

Department of Health Professions

During fiscal year 2017, Mr. Weniger received his first externally funded award at JMU from the Health Resources and Services Administration (HRSA) for a 5 year project titled "Physician Assistant Student-Engaged Medical Clinic." The project has created community-engaged learning opportunities for students while addressing dire health care needs of severely underserved populations in Rockingham County. This project has also created training opportunities for students interested in health professions. Under the direct supervision of licensed physician assistant



and nurse practitioner preceptors, students have meaningful opportunities to obtain patient histories, perform physical examinations, form a differential diagnosis, perform common bedside procedures, and determine appropriate management plans. Additionally, this grant has allowed JMU to establish a formal relationship with the Harrisonburg-Rockingham Free Clinic that offers services to uninsured and underinsured individuals and families including the homeless.

Steven J. Whitmeyer, Ph.D.

Department of Geology and Environmental Science

Since arriving at JMU in 2005, Dr. Whitmeyer has been very active in research and scholarship through external funding. Currently he is involved in three NSF grants, all providing excellent opportunities for students. One of these NSF-funded projects provided the opportunity to take students with mobility challenges to field sites in western Ireland. The focus of the project was to explore ways to use modern mobile technologies to enable students with a variety of mobility restrictions to experience geosciences education and research in field settings that otherwise would have been challenging or impossible. Through the use of multiple devices, students were able to communicate and share geologic data. Results from this project will be disseminated in publications and at professional conferences soon to come, in order to work towards a more inclusive environment for all STEM students in disciplines that have a significant field component. During fiscal year 2017, Dr. Whitmeyer received a NSF award that will work to statistically evaluate the accuracy of orientation measurements using digital compasses on mobile devices. Dr. Eric Pyle, Professor in the Department of Geology and Environmental Science services as a Co-PI for this project.



In recognition of faculty who were also nominated for the Research and Scholarship Outstanding Faculty Award:

- ◆ Dennis Blanton, Sociology & Anthropology
- ◆ Suzanne Fiederlein, Center for International Stabilization & Recovery
- ◆ Sarah Newman, Sociology & Anthropology
- ◆ Laura Trull, Social Work
- ◆ Nathan Wright, Chemistry & Biochemistry

Office of Sponsored Programs' Choice Award

The Office of Sponsored Programs considered all faculty and staff that have contributed to the pursuit of external funding during fiscal year 2017 and selected a recipient who to the OSP Team exemplifies professionalism, extreme diligence for accuracy, and excels in a support role for writing and administering numerous complex grants.

Extraordinary Contributor Award

To be announced by Tamara Hatch, Interim Director, Office of Sponsored Programs, Pre-Award

Research and Scholarship's Lifetime Achievement Award

Announced by Dr. Heather Coltman, Provost & Senior Vice President for Academic Affairs

Remarks provided by Dr. Cynthia Bauerle, Dean of the College of Science and Mathematics

The Office of Research and Scholarship asked Deans to nominate faculty within their college who met criteria areas in teaching, research and scholarship, and service, through their externally funded projects throughout their entire career at JMU. These nominations were forwarded to a selection committee made up of interdisciplinary faculty and staff members at JMU to represent a wide range of academic divisions. The committee members' award recommendations were considered by the Office of Research and Scholarship in selecting the final award recipient.

Kristen E. K. St. John, Ph.D.

College of Science and Mathematics

Dr. St. John arrived at JMU in 2003 and has excelled in scholarship, teaching and service throughout her tenure. She is a prolific and respected research scientist in the global geoscience community, with expertise in paleoceanography. Dr. St. John has published over 30 articles in top peer-reviewed journals including *Science and Nature*, and her scholarship has rewritten the geologic history of Arctic ice, information that is critically relevant as scientists seek to understand contemporary dynamics of climate change. Notably, she was selected in 2004 to serve as part of an international research team for an Arctic Coring Expedition, and will lead the project in academic year 2018-19. Her prominence in the international research community has elevated the status of JMU's Geology and Environmental Science department, and she has been very successful in obtaining extramural support for her research. Dr. St. John has mentored over two dozen undergraduate students, providing JMU students with unparalleled opportunities to learn about geosciences through cutting edge research in the field. As Editor-in-Chief of the premiere *Journal of Geoscience Education*, a position she has held since 2012, she has leveraged her position to raise awareness about critical issues facing the geoscience community such as basic science literacy in society, evaluation standards for tenure promotion, and the negative impact of sexual harassment on women in the field. For this work and her significant contributions to geoscience research, Dr. St. John was elected Fellow of the Geological Society of America in 2016.



Fiscal Year 2017 Awarded Principal Investigators' Accomplishments

The Office of Sponsored Programs reached out to Principal Investigators who received awards during fiscal year 2017. Below they share their project(s)' accomplishments.

Lauren Alleyne, Furious Flower Poetry Center

This summer, Furious Flower presented its biennial Legacy Seminar for high school and college educators. The event, "Facing It: The Poetry of Yusef Komunyakaa," featured seven distinguished faculty members, each of whom gave a lecture and participated in a roundtable discussion. The seminar also included workshops with our JMU faculty in the Education and English departments, a workshop at the Furious Flower archives housed at JMU's Special Collections library, a trip to the 150 Franklin Street Gallery, and an open mic. The subject, Yusef Komunyakaa (a Pulitzer Prize winner) was present at the seminar for the entire week; he attended all of the lecture sessions and the open mic, and he closed the seminar with a public reading.

Ray Enke, Biology

In 2017 Dr. Enke completed the 2nd year of his funded Commonwealth Health Research Board research investigating transcriptomic and epigenetic variants in human donor eyes diagnosed with age-related macular degeneration (AMD). In May 2017 Dr. Enke also received a Burroughs Wellcome Fund Travel grant to spend the summer at the Cold Spring Harbor DNA Learning Center learning novel genomics and bioinformatics methodologies to apply to our DNA sequencing data. Funding from these projects have supported 4 JMU student co-authored publications during this past year.

Suzanne Fiederlein, Center for International Stabilization and Recovery

Dr. Fiederlein is the CISR Project Director for the U.S. Department of State-funded Senior Managers' Course in ERW and Mine Action. Since 2010, Dr. Fiederlein has overseen five of these globally designed training courses held at JMU and initiated the addition of regional SMC trainings held in Tajikistan (2014), Vietnam (2015), and Croatia (2017).



Preparations are currently underway for another course in Tajikistan (2018).

Keigo Fukumura, Physics and Astronomy

Dr. Fukumura was awarded in February 2016 by NASA for his “X-Ray Absorbers as Probes of AGN Unification” project. Currently this project is in its 2nd year continuation out of the 3-year NASA Astrophysics Data Analysis program grants in the context of high-energy astrophysics. Dr. Fukumura along with his Co-PI, Dr. Sean Scully, have been developing a cutting-edge X-ray ionized wind model that can be applied to study X-ray absorption features seen in spectroscopic data from black hole systems such as active galactic nuclei and Galactic binaries. Their latest computational modeling was published from *Nature Astronomy* (March 2017) providing a strong theoretical support for the earlier observational claims and this work was announced at the Press Conference of the 230th American Astronomical Society Meeting in Texas. A number of JMU physics students are involved in this project in an attempt to better stimulate X-ray observations in these exotic astrophysical objects.

Joanne Gabbin, Furious Flower Poetry Center

“Throw Your Head Back & Sing: A Tribute to Maya Angelou” was a theatrical production staged at the Forbes Center for the Performing Arts and allowed the audience to experience the artistic and creative spirit that was Maya Angelou’s hallmark. The art was sutured with contextual and interpretive material designed to inform as well as deepen audience appreciation of what they were witnessing. Additionally, the Furious Flower’s 2016-17 Reading Series during the fall of 2016 through the spring of 2017, presented seven outstanding poets reading their work on or near the JMU campus: Danez Smith, Lauren K. Alleyne, Samantha Thornhill, Pulitzer Prize-winner Gregory Pardlo, Tiana Clark, Clem Heard, and Patricia Smith. This annual reading series is always free and open to the public.

Kevin Giovanetti, Physics and Astronomy

Dr. Giovanetti has been pursuing questions in fundamental particle physics for many years. His recent focus has been supporting the 12

Giovanetti, continued

GeV upgrade for Jefferson Laboratory in Newport News and designing instrumentation for the upcoming G-2 experiment at Fermi Lab. Both of these projects have benefited significantly from the help of JMU undergraduates that have built and tested instrumentation in the Physics Department’s research labs.

Jason Good, Center for Global Engagement

The Center for Global Engagement is a proud grant recipient of the Institute of International Education’s Generation Study Abroad Scholarship Program. This grant enables CGE to offer six \$2,500 study abroad scholarships during the 2016-2017 academic year to underrepresented student groups including but not limited to first-generation students, students of color, first-year students, student athletes, and students from the College of Integrated Science and Engineering.

Bob Kolvoord, College of Integrated Science and Engineering

During March 2015, Dr. Kolvoord was awarded by NASA to support pre-conference workshops, visionary mini-grants, and conference travel support and attendance for graduate students and post docs at the 2017 Gordon Research Conference on Visualization in Science and Education. Additionally, in May 2017 Dr. Kolvoord was awarded by NSF to continue to support research into the impact of geospatial technologies on student learning. Working with colleagues at Northwestern University, Georgetown and Dartmouth, they have conducted a multi-year study of classrooms in Northern Virginia participating in the Geospatial Semester, a JMU-led dual enrollment effort helping high school students apply geospatial technologies to a wide variety of problems.

Tim LaPira, Political Science

In Spring 2017, Dr. LaPira traveled weekly to Washington, DC to conduct in-person interviews with current and former members of Congress and their staff. He conducted over sixty interviews to learn how members, committees, and party leaders develop policy expertise, since Congress has sharply decreased its own internal knowledge

Resources over the last thirty years. In August, he began fielding the largest ever survey instrument and field experiment targeting more than 8,000 current congressional staff that measures human asset characteristics like professional experience, policy and political process expertise, cognitive faculties, judgment capability, and career aspirations.

Jon Miles, Department of Integrated Science and Technology

Dr. Jonathan Miles administered several awards during FY'17 that involved efforts to advance solar and wind education, outreach, and deployment. These efforts were supported by the U.S. Department of Energy; the Virginia Department of Mines, Minerals and Energy; and other sponsors. Dr. Miles serves as Professor of Integrated Science and Technology and Director of the Center for Wind Energy at JMU.

Christine May, Biology

Christine May, Associate Professor in the Department of Biology, is an ecologist conducting research on the impacts of stream acidification on fish diversity in Shenandoah National Park (funded by the Shenandoah National Park Trust & 4-VA). Her research team of undergraduate and graduate students is also studying an endangered species of freshwater mussel (funded by the Virginia Department of Game and Inland Fisheries).

Carole Nash, Integrated Science and Technology

Carole Nash has been an active PI during fiscal year 2017, overseeing several externally funded projects. Funded by Clermont Farm, in Clarke County, archaeological investigations of an 18th century springhouse that was central to the farm's domestic area has been underway. Funded by the Shenandoah National Park archeological investigations of a multi-component historic and prehistoric site by Old Rag Ridge Trail has discovered a buried, stratified Native American site dating from 10,000-500 years ago and determined was to be eligible for the National Register of Historic Places. Dr. Nash's Linville Mound project in Rockingham County, funded by the Virginia Department of Historic Resources, is a survey of a Native American burial mound, ca. A.D. 900-1200 to determine the extent of the feature through use of LiDAR, close-interval mapping, and survey-grade GPS. Lastly, funded by the City

Nash, continued

of Harrisonburg, excavation have taken place in the cellar of the 18th century stone Thomas Harrison House, built by the founder of Harrisonburg. As part of the restoration process, the archaeological studies helped determine relative dates of construction and alterations, as well as give insight into the lives of the inhabitants.

Michael Renfroe, Biology

"Investigation of Industrial Hemp for Oil and Biofuel Production in Virginia" was funded by the Virginia Department of Agriculture and Consumer Services and additional funding was received from the Siochain Foundation and from the 4-VA program. The four public-private partnership investigated the production of industrial hemp in Virginia. The completed research has been presented at several events in Virginia.

William Wood, College of Business

William (Bill) Wood has been the Principal Investigator for the ongoing Economic Education Consultant Program, funded by the Shenandoah Valley Economic Education, Inc., at JMU since 1995. This outreach center promotes economic literacy in the Shenandoah Valley through teacher training and consultation. Lynne Stover, Associate Director of JMU's Center for Economic Education, has been selected by the National Association of Economic Educators (NAEE) to receive the Bessie B. Moore Service Award, the organization's highest honor for economic education field work. Lynne accepted the award on October 5th at a national recognition luncheon in New York.

Rhonda Zingraff, Institute for Innovation in Health and Human Services

Funding for TTAC Region 5 and the I'm Determined Project enables JMU to be a leader in linking people and resources for the continuous improvement of special education in our state. The innovative support for youth with disabilities encourages them to achieve more control and self-confidence, and has inspired the spread of this work across the nation and abroad. These programs are two of over two-dozen at IIHHS.

A special thank you to all that have provided support for this event!

- ◆ Dr. Yvonne Harris & the Office of Research and Scholarship
- ◆ Invited Speakers
- ◆ The Selection Committee
 - ◆ Sally Dickenson, Office of Sponsored Programs
 - ◆ Beth Eck, Sociology & Anthropology
 - ◆ Diane Foucar-Szocki, Education Programs
 - ◆ Chris Hughes, Physics & Astronomy
 - ◆ Smitha Mathur, Education Programs
 - ◆ Tom Moran, Kinesiology
 - ◆ Eric Pappas, Integrated Science & Technology
 - ◆ Debbie Perrone, Corporate & Foundation Relations
 - ◆ David Stringham, School of Music
- ◆ Emily Winter and the X-Lab



Office of Sponsored Programs, Pre-Award
Megan Resch, Tamara Hatch, Loralin Welch, Sally Dickenson



Sponsored Programs Accounting (Post-Award)
Kyra Shiflet, Donna Crumpton, Brenda Wilburn, John Hulvey