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**2024**

**Research, Creative Works and Grants**

**by Faculty**

Published Research

Penn State Scranton

January 1, 2024 - December 31, 2024

UC - Arts and Humanities

UC – Corporate Communication

Longo, Stephanie A. (Assistant Professor)

*Book Reviews*

Longo, S. (2024). [Review of the book *Provoking the Press: [MORE] Magazine and the Crisis of Confidence in American Journalism by Kevin M. Lerner*]. *Electronic News*, *18*(3). 183-185. DOI: 10.1177/19312431241239251

*Other Intellectual Contributions*

Longo, S. (2024). Passing the Flame: Place Branding, Destination Marketing, and Ancestral Tourism. *ProQuest Dissertations & Theses Global.* (pp. 176).

UC - Music

Toman, Sharon A. (Associate Teaching Professor)

*Conference Proceedings*

Toman, S. A., & Smarkusky, D. L. (2024). A Creative Approach to Teaching Music and Culture. *Proceeding of OLC Accelerate Conference 2024.*

UC - Business and Economics

UC - Business

Feifer, Kevin (Lecturer)

*Other Intellectual Contributions*

Feifer, K. (2024). MKTG 301 7-Week Conversion. *World Campus Blog.*

Feifer, K. (2024). World Campus Student Leadership Presentation on Leadership Theories.

Pham, Loan N.T. (Assistant Professor)

*Refereed Journal Articles*

Pham, L. N.T., Vo, A. H., Nguyen, D. T., & Nguyen, L. D. (2024). How Ethical Leadership Fosters the Development of Public University Employees’ Social Capital in Vietnam? A Sequential Mediation Model. *Public Organization Review (Online publication)*. DOI: https://doi.org/10.1007/s11115-024-00799-5

Pham, L. N.T., Nguyen, D. T., Vo, A. H.K., & Nguyen, L. D., et al. (2024). Well-being of Migrant Workers in Taiwan during COVID-19 Pandemic: The Role of Perceived Organizational Support, Employee Resilience and Ethical Leadership. *International Journal of Manpower, 45*(6), 1132-1149. DOI: https://doi.org/10.1108/IJM-04-2023-0179

UC - Business Administration

Sorokina, Nonna Y. (Assistant Professor)

*Refereed Journal Articles*

Sorokina, N. (2024). A Century of Asset Allocation Crash Risk. *Journal of Asset Management*, 24.

UC - Engineering

UC - Engineering

Daneshmand, Farhang (Assistant Professor)

*Refereed Journal Articles*

Heshmati, M., Jalali, S.K., Pugno, N.M., & Daneshmand, F. (2024). A Novel Time-dependent Micromechanical Model on the Instability and Vibrational Behavior of Composite Pipes Conveying Fluid with Fiber Dissolution. *Applied Mathematical Modelling, 127:343-365*, 23. DOI: https://doi.org/10.1016/j.apm.2023.12.012, ISBN/ISSN: 0307904X

Rahman, S. M. Mizanoor (Assistant Professor)

*Refereed Journal Articles*

Rahman, S. M. M. (2024). Digital K–12 STEM Education through Human–Robot Interaction: Investigation on Prerequisites. Digital (ISSN: 2673-6470) 4(2), 22. DOI: <https://doi.org/10.3390/digital4020023>, ISBN/ISSN: 2673-6470

Rahman, S. M. M. (2024). Dynamic Affect-Based Motion Planning of a Humanoid Robot for Human-Robot Collaborative Assembly in Manufacturing. Electronics 13(6), 32. ISBN/ISSN: 2079-9292

*Refereed Conference Proceedings*

Rahman, S. M. M. (2024). Design of a Solar Powered Robotic System for Reaching and Grasping Assistance. In Yang, XS., Sherratt, S., Dey, N., Joshi, A. (Eds.), Lecture Notes in Networks and Systems. (1002), (pp.11). Basel: Springer Nature Switzerland. DOI: <https://doi.org/10.1007/978-981-97-3299-9_48>

Rahman, S. M. M. (2024). Modeling and Analysis of a Dynamic Smart Solar Panel System for Harvesting Solar Energy in Remote Areas. Lecture Notes in Networks and Systems. (1002), (pp. 11). Basel: Springer Nature Switzerland.

Rahman, S. M. M. (2024). Cognitive Model Predictive Learning Cooperative Control to Optimize Electric Power Consumption and User-Friendliness in Human–Robot Co-manipulation. In A. K. Nagar (Ed.), Intelligent Sustainable Systems, Lecture Notes in Networks and Systems. (817), (pp. 10). Singapore: Springer Nature. DOI: <https://doi.org/10.1007/978-981-99-7886-1_43>

Rahman, S. M. M. (2024). A Reinforcement Learning Model of a Dynamic Solar Panel System for Maximum Energy Harvesting. In A. K. Nagar (Ed.), Intelligent Sustainable Systems, Lecture Notes in Networks and Systems. (828), (pp. 8). Singapore: Springer Nature. DOI: <https://doi.org/10.1007/978-981-99-8111-3_15>

Rahman, S. M. M. (2024). Human Trust Between Real and Virtual Agents for a Real-World Assistive Task. In A. K. Nagar (Ed.), Intelligent Sustainable Systems, Lecture Notes in Networks and Systems. (812), (pp. 9). Singapore City: Springer Nature. DOI: <https://doi.org/10.1007/978-981-99-8031-4_43>

UC - English

UC - English

Tettenborn, Eva (Associate Professor)

*Refereed Journal Articles*

Tettenborn, E. (2024). Wheatley’s Writing on the Wall: Concepts of Mercy and Alternate Literary Histories in Toni Morrison’s *A Mercy*. *SAF: Studies in American Fiction, 49* (2), 271-93. DOI: https://doi.org/10.1353/saf.2022.a920141

UC - Information Sciences and Technology

UC - IST

Aebli, Fred J. (Lecturer)

*Other Intellectual Contributions*

Aebli, F. J. (2024). Penn State Scranton IST/IT Alumni LinkedIn Page.

Peslak, Alan R. (Professor)

*Refereed Journal Articles*

Peslak, A. R., & Kovalchick, L. (2024). AI for Coders: An Analysis of the Usage of ChatGPT and GitHub CoPilot. *Issues in Information Systems, 25*(4), 9.

Peslak, A. R., Kovalchick, L., & Menon, P. (2024). Social Media Only has Two Clusters: A United States Analysis. *Journal of Information Systems Applied Research, 17*(3), 13.

Peslak, A. R., & Menon, P. (2024). Leveraging Market Basket Analysis for Enhanced Understanding of Social Media Platform Usage. *Issues in Information Systems, 25*(2), 16.

Smarkusky, Debra L. (Associate Professor)

*Conference Proceedings*

Smarkusky, D. L., & Toman, S. A. (2024). A Creative Approach to Teaching Music and Culture. *Proceedings of OLC Accelerate Conference 2024.*

UC - Nursing

UC - Nursing

Evans, Michael M. (Teaching Professor)

*Book Chapters*

Evans, M. M., Riley, K., & Kowalchik, K. (2024). Care and Comfort at the End of Life. In Marie Boltz, Elizabeth Capezuti, & Terry Fulmer (Eds.), *Evidence-Based Geriatric Nursing Protocols for Best Practice.* (7th), (pp. 530-545). Princeton, NJ: Springer. Peer-reviewed/refereed.

Miner, M. B., Peachey, B. N., Evans, M. M., & Brown, R. A. (2024). The Promotion of Teaching and Learning Scholarship in Undergraduate Nursing Non-Tenure Line Nursing Faculty: A Success Story. *New Directions in Teaching & Learning (focused on the Scholarship of Teaching and Learning in the Health Professions)* (pp. 1-9). Peer-reviewed/refereed.

*Other Intellectual Contributions*

Faybisovich, N., Riley, K., Kowalchik, K., Robinson, C., Lucey, M., & Evans, M. M. (2024). Terminal Secretions: What Nurses Needs to Know. *Nursing Made Incredibly Easy!* 22(4), (pp. 37-39).

Robinson, C., Evans, M. M., Riley, K., Adams, L., D. L., Lucey, M., Milton, M., & Faybisovich, N. (2024). Management of the Decompensating Patient Receiving Home Health. *Nursing Made Incredibly Easy!* 22(1), (pp. 42-45).

UC - Science

UC - Biology

Gresham, Jennifer D. (Assistant Professor)

*Refereed Journal Articles*

Slowinski, S. P., Gresham, J., Cui, E. R., Haspel, K., Lively, C. M., & Morran, L. T. (2024). Outcrossing in *Caenorhabditis elegans* Increases in Response to Food Limitation. *Ecology and Evolution, 14*(3), e11166. DOI: 10.1002/ece3.11166, ISBN/ISSN: 2045-7758

UC - Chemistry

Jung, Jiyoung (Associate Professor)

*Refereed Journal Articles*

Jung, J. (2024). Reactivity-based Detection of Nitrite Ion: Rapid Colorimetric and Fluorometric Response down to nM level. *Tetrahedron Letter, 143*, 155114-155120.

Pham, Phuong-Truc T. (Associate Professor)

*Book Chapters*

Pham, P. T., & Bader, M. (2024). Design of Novel Functional Materials Using Reactions of Quinones with Aromatic Amines. In Takashiro Akitsu (Ed.), (pp. 1-9). Mountain Top: IntechOpen.

*Refereed Journal Articles*

Bader, M., Fiester, C. T., Pham, P.-T. T., Bradely, A., & Nazzal, A. (2024). 13-Nitrobenzo[a][1,4]benzothiazino[3,2-c]- phenoxazine. *IUCrData, 9*. DOI: doi.org/10.1107/S2414314624002992

Bader, M., & Pham, P.-T. T., et al. (2024). Benzo[a][1,4]benzothiazino[3,2-c]phenothiazine. *IUCrData, 9*, 1-3. DOI: doi.org/10.1107/S2414314624003572

Bader, M., & Pham, P. -T. T. (2024). Crystal structure of 1-{4-[bis(4-methylphenyl)- amino]phenyl}ethene-1,2,2-tricarbonitrile. *Crystallographic Communications, E80*, 339-342. DOI: doi.org/10.1107/S2056989024001804, ISBN/ISSN: 2056-9890

Pham, P.-T. T., & Bader, M. (2024). Di- and Tricyanovinyl-Substituted Triphenylamines: Structural and Computational Studies. *ACS Omega, 9*, 11194-11199. DOI: doi.org/10.1021/acsomega.3c05312

Pham, P.-T. T., & Bader, M. (2024). Thiophenes Endowed with Electron-Accepting Groups: A Structural Study. *Crystal Growth & Design, 24*, 906-912. DOI: doi.org/10.1021/acs.cgd.3c00740

Pham, P.-T. T., & Bader, M. (2024). α-Halogenated Curcumins. *Crystals, 14*, 1-12. DOI: https://doi.org/10.3390/cryst14121041

UC - Physics

Kim, Agnes (Associate Professor)

*Refereed Journal Articles*

Kim, A. (2024). A Comparison of Best Fits Obtained in White Dwarf Asteroseismology Using the WDEC and the LPCODE. *Astrophysical Journal, 974*(2), 9. DOI: 10.3847/1538-4357/ad701f

Kim, A., & Bell, K. J. (2024). Constraints from Parallaxes and Average Period Spacings in the Asteroseismic Study of Eight Hydrogen-atmosphere Pulsating White Dwarfs. *Astrophysical Journal, 970*(1), 17. DOI: 10.3847/1538-4357/ad4edc

ud-Doula, Asif (Associate Professor)

*Refereed Journal Articles*

Keszthelyi, Z., Puls, J., Chiaki, G., Nagakura, H., ud-Doula, A., Takiwaki, T., & Tominaga, N. (2024). The Effects of Surface Fossil Magnetic Fields on Massive Star Evolution: V. Models at Low Metallicity. *Monthly Notices of the Royal Astronomical Society, 533*(3), 3457-3474. DOI: 10.1093/mnras/stae1855

Sander, A.~A.~C., Bouret, J. -C., Bernini-Peron, M., Puls, J., Backs, F., Berlanas, S.~R., Bestenlehner, J.~M., Brands, S.~A., Herrero, A., Martins, F., Maryeva, O., Pauli, D., Ramachandran, V., Crowther, P.~A., Gomez-Gonzalez, V.~M.~A., Gormaz-Matamala, A.~C., Hamann, W. -R., Hillier, D.~J., Kuiper, R., Larkin, C.~J.~K., Lefever, R.~R., Mehner, A., Najarro, F., Oskinova, L.~M., Schosser, E.~C., Shenar, T., Todt, H., ud-Doula, A., & Vink, J.~S. (2024). X-Shooting ULLYSES: Massive Stars at Low Metallicity -- IV. Spectral Analysis Methods and Exemplary Results for O Stars. *Astronomy & Astrophysics, 689*, A30. DOI: 10.1051/0004-6361/202449829

Hawcroft, C., & ud-Doula, A., et al. (2024). X-Shooting ULLYSES: Massive Stars at Low Metallicity. III. Terminal Wind Speeds of ULLYSES Massive Stars. *Astronomy & Astrophysics, 688*, A105. DOI: 10.1051/0004-6361/202245588

Vink, J.~S., Crowther, P., Fullerton, A., Garcia, M., Martins, F., Morrell, N., Oskinova, L., St Louis, N., ud-Doula, A., Sander, A., Sana, H., Bouret, J. -C., Kubatova, B., Marchant, P., Martins, L.~P., Wofford, A., van Loon, J., Telford, O.~G., Gotberg, Y., Bowman, D., Erba, C., Kalari, V., & Collaboration, X. (2024). X-Shooting ULLYSES: Massive Stars at Low Metallicity. *The Messenger, 192*, 16-21. DOI: 10.18727/0722-6691/5350

UC - Social Sciences and Education

UC - Psychology

Watkins, Nicole K. (Assistant Professor)

*Refereed Journal Articles*

Rivers, A. S., Winston-Lindeboom, P., Weissinger, G., Watkins, N., & Ruan-Iu, L. (2024). Attachment to Parental Figures in Emerging Adults from Brazil, India, and Nigeria: Associations with Internalizing Problems. *Journal of Social and Personal Relationships, 43*(7), 1818-1845. DOI: https://doi.org/10.1177/026540752412304

Dubar, R., Greene, D., & Watkins, N. (2024). If you had the chance to like, not show people like a bad part of you… you would do it: Perceptions of Offline versus Online Social Media Identity among Emerging Adults from Socio-demographic Minority Groups in the U.S. *Emerging Adulthood*, 18. DOI: https://doi.org/10.1177/21676968241291275

Watkins, N., Beckmeyer, J., & Jamison, T. (2024). Exploring the Associations Between Romantic Status, Romantic Importance, and Positive Well-Being in Young Adulthood. *Family Relations, 73*(1), 484-501. DOI: https://doi.org/10.1111/fare.12981

Dubar, R. T., Watkins, N., & Hope, M. (2024). What’s Your Religious Coping Profile? Differences in Religious Orientation and Subjective Sleep Among Religious Coping Groups in the U.S. *Sleep Health, 10*(1), 83-90. DOI: https://doi.org/10.1016/j.sleh.2023.10.001

UL - Commonwealth Campus Libraries, Scranton

Green, Kristin E. C. (Associate Librarian)

*Other Intellectual Contributions*

Green, K. E. C. (2024). Welcome from the New CRD Chair. *Pennsylvania Library Association Bulletin.*, 79(1), (pp. 1, 6-7).

Knies, Jennie A. L. (Librarian)

*Other Intellectual Contributions*

Knies, J. L., & Slobuski, T. (2024). Preparation is the Key to Success: Manageable Techniques for Measuring Collections for Moving. *College and Research Libraries News.*, 85(7).

Creative Works

Penn State Scranton

January 1, 2024 - December 31, 2024

**UC - Art**

**Thompson-Alban, Corianne (Lecturer)**

Thompson, Corianne, "Untitled Painting," Laura Foran, Allentown, PA. (November 2024).

Thompson, Corianne, "Untitled Painting," Tracie Klinger, Northampton, PA. (October 2024).

Thompson, Corianne, "Open Water," 39th Annual Art Auction, The Baum School of Art, Allentown, PA. (May 2024).

Thompson, Corianne, "Shifting Currents," 39th Annual Art Auction, The Baum School of Art, Allentown, PA. (May 2024).

Thompson, Corianne, "The Exchange," 39th Annual Art Auction, The Baum School of Art, Allentown, PA. (May 2024).

Thompson, Corianne, "Various Ceramic Sculptures," Creatures Great and Small, Gallery 840, Allentown, PA. (April 2024 - June 2024).

Thompson, Corianne, "Various Ceramic Sculptures," Compendium Small Works Exhibition, The Banana Factory, Bethlehem, PA. (November 2023 - January 2024).

Thompson, Corianne, "Handmade Holiday Gift Shop," The Baum School of Art, Allentown, PA. (November 2024 - December 2024).

Thompson, Corianne, "Rested II," Small Arts Auction, Arts at Allen, Allentown, PA. (November 2024).

## UC - Communication Arts & Sciences

### Hart, Jim W. (Assistant Teaching Professor)

Hart, James W., Book Reading, Port Dickinson Elementary School, Port Dickinson, NY. (December 2022 - Present).

Hart, James W., Santa Claus Portrayal, Hillcrest Community Association, Binghamton, NY. (March 2022 - Present).

## UC - English

### Perrone, Paul J. (Assistant Teaching Professor)

Perrone, Paul J., "Indebted," Cocurricular Activities, Veterans Club, Penn State Scranton, Dunmore. (November 11, 2024).

Perrone, Paul J., "Unseen," Cocurricular Activities, Veterans Club, Penn State Scranton, Dunmore. (November 11, 2024).

## UC - History

### Frisch, Paul (Assistant Teaching Professor)

Frisch, Paul, Penn State Worthington/Scranton Chorale, Sharon Toman, Conductor, Dunmore, PA. (August 2014 - Present).

## UC - IST

### Smarkusky, Debra L. (Associate Professor)

Smarkusky, Debra L., Penn State Scranton Jazz Band, Dunmore, PA. (January 1, 2024 - December 31, 2024).

Auxiliary Percussion:
Annual Spring Concert, The Theater at North (April 20, 2024)
Annual Holiday Concert, The Peoples Security Theater, Lackawanna College (December 8, 2024)
Campus Holiday Concert, View Café (December 10, 2024)

## UC - Music

### Toman, Sharon A. (Associate Teaching Professor)

Toman, Sharon A., “Compose, Arrange, and Transpose Music,” Penn State Scranton Chorale and Jazz Band, Penn State Scranton, Dunmore, PA. (2001 - Present).

Toman, Sharon A., “Accompany the Penn State Scranton Chorale, The Roc[k]tet, and perform on the piano with the Campus Jazz Band," Chorale and Jazz Band, Penn State Scranton, Dunmore, PA. (2001 - Present).

Toman, Sharon A., "Annual Holiday 2024 On-Campus Concert," Chorale, The Roc[k]tet, and Campus Jazz Band, Penn State Scranton, Dunmore, PA. (December 11, 2024).

Toman, Sharon A., "Penn State Scranton 2024 Holiday Concert," Penn State Scranton Chorale, The Roc[k]tet, and the Campus Jazz Band, Lackawanna College - The Peoples Security Theater, Scranton, PA. (December 8, 2024).

Toman, Sharon A., "2024 Nurse's Pinning Ceremony," Penn State Scranton, Dunmore, PA. (May 3, 2024).

Toman, Sharon A., "Annual Spring 2024 Concert," Chorale, The Roc[k]tet, and Campus Jazz Band, Penn State Scranton, Scranton, PA. (April 20, 2024).

Contracts, Grants and Sponsored Research

Penn State Scranton

January 1, 2024 - December 31, 2024

UC - Business Administration

Sorokina, Nonna Y. (Assistant Professor)

Sorokina, N., Fellowship, 100% credit, "Center for Artificial Intelligence and Machine Learning to Industry Fellowship 2024-25," Institute for Computational and Data Sciences / Center for Artificial Intelligence and Machine Learning to Industry, Penn State. Amount Funded (Total or To Date, as applicable): $5000. (submitted: June 2024, date funding awarded: June 2024, total start and end of funding: July 2024 - June 2025.

Sorokina, N., Grant, 100% credit, "Reducing Economic Inequality," Research Development Grant, Penn State. Amount Funded (Total or To Date, as applicable): $3000. (submitted: June 2024, date funding awarded: August 2024, total start and end of funding: July 2024 - June 2025.

Sorokina, N., Grant, 100% credit, "Financial Literacy for High School Students," Anonymous Private Foundation. Total requested: $6,000.00, Amount Funded (Total or To Date, as applicable): $5000. (submitted: May 2024, date funding awarded: June 2024, total start and end of funding: July 2024 - June 2025.

Sorokina, N., Grant, 100% credit, "Reducing Economic Inequality," Penn State University, Nonprofit Foundations. Amount Funded (Total or To Date, as applicable): $1750. (submitted: April 2024, date funding awarded: March 2024, total start and end of funding: July 2024 - June 2025.

Sorokina, N., Ramljak, D., Grant, 50% credit, "Data-Driven Response to High Opioid Abuse Impact: Leveraging Machine Learning, Artificial Intelligence, Health, Social and Economic Determinants," Penn State Presidential Public Impact Research Award (PPIRA). Amount Funded (Total or To Date, as applicable): $32000. (submitted: March 2024, date funding awarded: May 2024, total start and end of funding: August 2024 - May 2025.

Sorokina, N., Grant, 15% credit, "Societal Acceptance of Nuclear Energy," Department of Energy via Institute for Computational and Data Sciences and Center for Applications of Artificial Intelligence and Machine Learning to Industry. Amount Funded (Total or To Date, as applicable): $120000. (submitted: February 2024, date funding awarded: February 2024, total start and end of funding: February 2024 - May 2025.

Sorokina, N., Grant, "CAREERS Grant - Support for two student research assistants," CAREERS, Universities and Colleges. Total requested: $9,000.00, Amount Funded (Total or To Date, as applicable): $9000. (submitted: March 2024, date funding awarded: May 2024, total start and end of funding: May 2024 - August 2024.

Sorokina, N., Fellowship, 100% credit, "Center for Artificial Intelligence and Machine Learning to Industry Fellowship 2023-24," Institute for Computational and Data Sciences / Center for Artificial Intelligence and Machine Learning to Industry, Penn State. Amount Funded (Total or To Date, as applicable): $5000. (submitted: October 2023, date funding awarded: November 2023, total start and end of funding: November 2023 - June 2024.

**UC – Engineering**

Daneshmand, Farhang (Assistant Professor)

Daneshmand, F., Ghatrehsamani, S., Grant, 50% credit, "Enhancing Picking Efficiency and Optimizing Mushroom Bruising Levels in Robotic Mushroom Picking: Computational Modeling, Kinematic Analysis, and Force Simulation," COP: Department of Agriculture, Commonwealth of Pennsylvania. Total requested: $100,000.00, Total Anticipated: $100000, Amount Funded (Total or To Date, as applicable): $100000. (submitted: June 7, 2024, date funding awarded: January 15, 2025, total start and end of funding: July 1, 2024 - June 30, 2026.

Daneshmand, F., Grant, "Innovation Challenges to Solve Community Problems," Leonhard Center, Commonwealth of Pennsylvania. Total requested: $9,898.00. (submitted: December 3, 2024, date funding awarded: January 14, 2025, total start and end of funding: January 1, 2025 - December 31, 2025.

Daneshmand, F., Research Development Grant, "Proposal to Co-organize and Participate in a Symposium on "Computational Methods for Coupled Fluid-Structure Interaction Problems" at ICNAAM 2024," Penn State Scranton Development Grant Program, Penn State. Total requested: $3,100.00, Total Anticipated: $3100. (submitted: August 6, 2024, date funding awarded: August 6, 2024, total start and end of funding: August 6, 2024 - September 17, 2024.

Rahman, S M Mizanoor (Assistant Professor)

Abu-Mahfouz, I., Cuiffi, J., Haile, Y., Rahman, S. M. M., Sichler, T. J., Grant, 20% credit, "Smart Manufacturing Leadership Grant," Catalyst Connection, Nonprofit Foundations (Prime Sponsor: U.S. Department of Energy, Federal Agencies). Total requested: $350,000.00, Total Anticipated: $350,000, Amount Funded (Total or To Date, as applicable): $350,000. (submitted: May 30, 2023, date funding awarded: October 29, 2024, total start and end of funding: October 4, 2024 - April 14, 2026.

Rahman, S. M. M., Grant, 100% credit, "Investigating the Impact of Learner Trust in Educational Robots on STEM Learning and Social Relationships," Penn State Scranton Research Development Grant (RDG) Program, Penn State. Total requested: $3,000.00. Total awarded: $3,000.00. Total anticipated: $3,000.00. (submitted: June 23, 2024, date funding awarded: August 2024, funded: August 2024 - June 30, 2025)

Rahman, S. M. M., Grant, 100% credit, "Development of Trustworthy Intelligent Robots for Robotics-Enabled Interdisciplinary STEM Education," Penn State Scranton Research Development Grant (RDG) Program, Penn State. Total requested: $3,500.00, Total Anticipated: $3500, Amount Funded (Total or To Date, as applicable): $3500. (submitted: June 23, 2023, date funding awarded: August 2, 2023, total start and end of funding: August 2, 2023 - June 30, 2024.

Rahman, S. M. M., Grant, 100% credit, "Assessing and Improving Energy Efficiency in Manufacturing Robotics and Automation Systems," Matthews Award for Excellence in Scholarship, Local. Total requested: $1,750.00, Total Anticipated: $1750, Amount Funded (Total or To Date, as applicable): $1750. (submitted: March 31, 2023, date funding awarded: May 10, 2023, total start and end of funding: July 1, 2023 - June 30, 2024.

UC - HDFS

LaBuda, Melissa (Assistant Teaching Professor)

LaBuda, M., Grant, 100% credit, "REVISED: Penn State Scranton Teachers Behavioral Curriculum Training for Pre-K NEPA Teachers, Staff and Administrators (PSUPF)," The Willary Foundation [MP], Nonprofit Foundations. Total requested: $25,000.00, Total Anticipated: $25000, Amount Funded (Total or To Date, as applicable): $25000. (submitted: March 28, 2024, date funding awarded: September 17, 2024, total start and end of funding: July 16, 2024 - May 31, 2027.

LaBuda, M., Grant, 100% credit, "Penn State Scranton Teachers Behavioral Curriculum Training for K-12 Northeast PA Teachers," Scranton Area Community Foundation [MP], Nonprofit Foundations. Total requested: $3,300.00, Total Anticipated: $3300, Amount Funded (Total or To Date, as applicable): $3300. (submitted: March 21, 2024, date funding awarded: June 18, 2024, total start and end of funding: May 15, 2024 - May 15, 2025.

LaBuda, M., Grant, 100% credit, "HIVER," Institute of International Education, Associations, Institutes, Societies and Voluntary Health Agencies. Total requested: $0.00, Total Anticipated: $4000, Amount Funded (Total or To Date, as applicable): $4000. (submitted: December 13, 2024, date funding awarded: February 5, 2025, total start and end of funding: October 3, 2024 - January 31, 2025.

LaBuda, M., Grant, 100% credit, "Penn State Scranton Teachers Behavioral Curriculum Training for K-12 Northeast PA Teachers," Scranton Area Community Foundation [MP], Nonprofit Foundations. Total requested: $1,700.00, Total Anticipated: $1700, Amount Funded (Total or To Date, as applicable): $1700. (submitted: April 14, 2023, date funding awarded: May 17, 2023, total start and end of funding: September 1, 2023 - August 31, 2024.

LaBuda, M., Grant, 100% credit, "Penn State Scranton Teachers Behavioral Curriculum Training for K-12 Northeast PA Teachers," Scranton Area Community Foundation [MP], Nonprofit Foundations. Total requested: $4,500.00, Total Anticipated: $4500, Amount Funded (Total or To Date, as applicable): $4500. (submitted: March 15, 2023, date funding awarded: May 17, 2023, total start and end of funding: September 1, 2023 - August 31, 2024.

UC - Physics

Kim, Agnes (Associate Professor)

Kim, A., Grant, 100% credit, "The Seismic Technique for Accurate White Dwarf Parameters, Collaborative Research," National Science Foundation, Federal Agencies. Total requested: $90,563.00, Total Anticipated: $90565, Amount Funded (Total or To Date, as applicable): $90565. (submitted: November 13, 2023, date funding awarded: August 13, 2024, total start and end of funding: August 15, 2024 - July 31, 2027.

Kim, A., Grant, "Research Development Grant - Page Charges in Support of Papers Published during Sabbatical," Penn State Scranton. Total requested: $4,688.00, Amount Funded (Total or To Date, as applicable): $3500. (submitted: June 26, 2023, date funding awarded: August 2, 2023, total start and end of funding: August 2, 2023 - June 30, 2024.

ud-Doula, Asif (Associate Professor)

ud-Doula, A., Contract, 100% credit, "X-ray Emission from Fast Rotating Magnetic Massive Stars," Smithsonian Astrophysical Observatory (The), Universities and Colleges. Total requested: $52,937.00, Total Anticipated: $52937, Amount Funded (Total or To Date, as applicable): $26469. (submitted: August 31, 2023, date funding awarded: April 5, 2024, total start and end of funding: April 1, 2024 - March 31, 2026.
Amendments: OSP Number: 247577, Total awarded: $26,468.00. Total anticipated: $52,937.00. April 1, 2024 - March 31, 2026

ud-Doula, A., Grant, "X-Shooting ULLYSES," European Organisation for Astronomical Research in the Southern Hemisphere, Foreign Governments and International Agencies. (submitted: April 2020, date funding awarded: August 2020, total start and end of funding: January 1, 2021 - December 31, 2025.

ud-Doula, A., Grant, "Dr. & Mrs. Richard J. Matthews Award for Excellence in Scholarship," Penn State Scranton, Penn State. Total requested: $2,000.00, Amount Funded (Total or To Date, as applicable): $1600. (submitted: 2024, date funding awarded: May 2024, total start and end of funding: July 1, 2024 - June 30, 2025.

ud-Doula, A., Grant, "Research Development Grant," Penn State Scranton, Penn State. Total requested: $2,020.00, Amount Funded (Total or To Date, as applicable): $2020. (submitted: 2024, date funding awarded: July 2024, total start and end of funding: July 1, 2024 - June 30, 2025.

ud-Doula, A., Grant, "3D MHD Modeling of Obliquely Rotating Massive-Star Magnetospheres," NASA, Federal Agencies. Total requested: $529,097.00, Amount Funded (Total or To Date, as applicable): $529097. (submitted: July 2021, date funding awarded: December 2021, total start and end of funding: January 2022 - January 2025.

ud-Doula, A., Fellowship, "Visiting Professor," KU Leuven (Belgium), Foreign Governments and International Agencies. Amount Funded (Total or To Date, as applicable): $5000. (submitted: 2024, total start and end of funding: June 2024 - July 2024.

ud-Doula, A., Grant, "PSSN Greater Penn State Chapter Professional Development," PSSN Greater Penn State Chapter, Private. Total requested: $2,000.00, Amount Funded (Total or To Date, as applicable): $1719. (submitted: 2023, date funding awarded: May 2023, total start and end of funding: July 1, 2023 - June 30, 2024.

ud-Doula, A., Grant, "Research Development Grant," Penn State Scranton, Penn State. Total requested: $2,200.00, Amount Funded (Total or To Date, as applicable): $2200. (submitted: 2023, date funding awarded: June 2023, total start and end of funding: July 1, 2023 - June 30, 2024.

**UC - Psychology**

Provenzano, Bella (Assistant Professor)

Provenzano, A., Grant, 100% credit, "Subaward: Here Comes a Regular: Prior Familiarity and Eyewitness Identifications," University of Arkansas, Universities and Colleges. Total requested: $140,000.00, Total Anticipated: $155000, Amount Funded (Total or To Date, as applicable): $55000. (submitted: January 5, 2023, date funding awarded: August 6, 2024, total start and end of funding: May 15, 2024 - April 30, 2027.

Watkins, Nicole K. (Assistant Professor)

Watkins, N., Grant, 100% credit, "Research Development Grant 2024-2025," Penn State Scranton, Universities and Colleges. Total requested: $2,010.00, Amount Funded (Total or To Date, as applicable): $2010. (submitted: June 22, 2024, date funding awarded: August 6, 2024, total start and end of funding: September 1, 2024 - June 30, 2025.

Watkins, N., Grant, 100% credit, "BeSample Early Adopter Grant," BeSample, Corporations. Amount Funded (Total or To Date, as applicable): $250. (submitted: October 2023, date funding awarded: October 23, 2023, total start and end of funding: October 23, 2023 - May 30, 2025.

Watkins, N., Grant, 100% credit, "Research Development Grant 2023-2024," Penn State Scranton, Universities and Colleges. Total requested: $2,000.00, Amount Funded (Total or To Date, as applicable): $2000. (submitted: April 2023, date funding awarded: August 6, 2023, total start and end of funding: September 1, 2023 - June 30, 2024.