



# WRIGHT STATE UNIVERSITY – LAKE CAMPUS RESEARCH REPORT

2015

# LAKE CAMPUS SCHOLARSHIP

## OVERVIEW

The Lake Campus Research Coordinator is pleased to present the first annual Lake Campus report of research activities from the 2015 year. This report provides a listing of the scholarly and creative endeavors from Lake Campus faculty during the 2015 calendar year and spans a variety of disciplines and formats. This report has been compiled from faculty submissions of scholarly achievements. Congratulations to Lake Campus faculty for their success and much encouragement as they continue in the future.

The Lake Campus is home to numerous technical, associates, bachelors, and graduate programs. These programs are run across a student population of around 1,200 students and facilitated by approximately 40 full time faculty. The scholarly achievements contained in this report represent faculty's commitment to pedagogy and their respective disciplines as they contribute to their classrooms, disciplines, and community.

## STRATEGIC HIGHLIGHTS FROM 2015

- Internal grant program launched to provide research support to both faculty and students
- Internal scholarly expenses program launched to provide financial support to offset publication related costs
- Numerous research related workshops related to building proposals, writing research papers, and identifying grant support
- Faculty and faculty mentored students produced well over 50 units of research spanning peer reviewed journal articles, contracts and grants, books, book chapters, book reviews, novelettes, reference works, short fiction works, plays, and scholarly presentations

## Articles

- Battles KE. 2015. Anna Barbauld's Authorial Self-Fashioning: From 'fair pedagogue' to 'fatidical spinster'. *Studies in Eighteenth-Century Culture* 44: 143-162.
- Bulen D. 2015. Correctional Officer Recruitment: The Impact of Promotional Opportunity, Job Specialization, and Educational Reimbursement on Applicant Rating of the Job. *Law Enforcement Executive Forum* 15: 29-42.
- Cavanaugh J, Jacquemin SJ. 2015. A Large Sample Comparison of Student Performance in Online vs. Face-To-Face Courses. *Online Learning Journal* 19: 25-32.
- Dillon RT, Jacquemin SJ. 2015. The heritability of shell morphometrics in the freshwater pulmonate gastropod, *Physa*. *PLOS ONE* 10(4): e0121962. DOI: 10.1371/journal.pone.0121962.
- Huelskamp D. 2015. A Sampling of STEM Professionals and who they name as Most Influential in their Career Choice. *National Teacher Education Journal* 8.
- Huelskamp D. 2015. Flipping the Collegiate Science Classroom: A Review of the Research. *Global Education Journal* 1.
- Jacquemin SJ, Doll JC. 2015. Macroecology of North American suckers (Catostomidae): tests of Bergmann's and Rapoport's rules. *Ecology and Evolution* 5: 3895-3904.
- Jacquemin SJ, Doll JC, Pyron M, Allen M, Owen DAS. 2015. Effects of flow regime on growth rate in freshwater drum, *Aplodinotus grunniens*. *Environmental Biology of Fishes* 98: 993-1003.
- Junker CR. In Press. Unruly Women and Their Crazy Houses: Sarah Winchester's Unconventional Domesticity. *Home Cultures*.
- Junker CR, Jacquemin SJ. In Press. Bridging the Gap: Surveying Interdisciplinarity in the Environmental Literature Classroom. *ISLE (Interdisciplinary Studies in Literature and Environment)*.

## Books

- Wilson DH. 2015. *They Live (Cultographies)*. Film Criticism. New York: Columbia University Press.
- Wilson DH. 2015. *Battle without Honor or Humanity: Volume 1*. Fiction Collection. Bowie: Raw Dog Screaming Press.

## Chapters in Books

- Ciampaglio CN, Phillips GE. 2015. Irregular Echinoids of the Upper Cretaceous Coon Creek Beds in Tennessee. In: *The Geology and Paleontology of Coon Creek* (Dana Ehret, Ed). Alabama Museum of Natural History Bulletin, AL.
- Daniel DT. 2015. Paracelsus on the Sidereal Powers: Revisiting the Historiographical Debate between Walter Pagel and Kurt Goldammer. In: *Bridging Traditions: Alchemy, Chymistry, and Paracelsian Traditions in Early Modern Europe: Essays in Honor of Allen G. Debus*. Truman State University Press, Kirksville, MO.
- Wilson DH. The Spiritual Riff: An Introduction to Monk Punk. In: *Monk Punk & Shadow of the Unknown Omnibus*. Davis: Hazardous Press.

## Novelettes

- Wilson DH. 2015. *Battle without Honor or Humanity*. VLAK 5: 270-77.

## Plays

- Wilson DH. 2015. The Dark Hypotenuse. One-Act. *Strange Edge Magazine* 0.1: 93-95.

## Short Fiction

- Wilson DH. 2015. I Believe I Shall Not Die. *Dark Discoveries* 30: 44-46.
- Wilson DH. 2015. "Zamroczenie" ("Scotomization"). Trans. into Polish by Marcin Kiszela. *Bizarro dla zaawansowanych*. Polska Groza, 47-51.
- Wilson DH. 2015. The Theory of G. *The Café Irreal*. Issue 55. Web.
- Wilson DH. 2015. Dithyrambia. *Emanations* 5: 145-57.

## Reference Works

- Kich M. 2015. Blended Learning. *Encyclopedia of Online Education*. 2 Vols. Ed. Steven M. Danver. Thousand Oaks, CA: SAGE.
- Kich M. 2015. Harkin Report. *Encyclopedia of Online Education*. 2 Vols. Ed. Steven M. Danver. Thousand Oaks, CA: SAGE.
- Kich M. 2015. Lumina Foundation. *Encyclopedia of Online Education*. 2 Vols. Ed. Steven M. Danver. Thousand Oaks, CA: SAGE.
- Kich M. 2015. Student Debt. *Encyclopedia of Online Education*. 2 Vols. Ed. Steven M. Danver. Thousand Oaks, CA: SAGE.

## Reviews

- Battles KE. 2015. Review of *The Edinburgh Companion to James Hogg*, Eds. Ian Duncan and Douglas Mack. *Journal for Eighteenth-Century Studies*. Vol. 38: 460-461.
- Wilson DH. 2015. Towards a Science Fictional Modernism. Review of *Modernism and Science Fiction* by Paul March-Russell. *Extrapolation* 56.3: 385-90.
- Wilson DH. 2015. Nostalgia for Detritus. Review of *After the Saucers Landed* by Douglas Lain. *Los Angeles Review of Books*. Web.

## Conference Presentations

- Adkins K, Barhorst J, Fuerst A, Pontius B, Jacquemin SJ, Wulandana R. 2015. Swimming performance chamber. Association for University Regional Campuses of Ohio (AURCO), Kent State University, Salem, OH.
- Battles KE. 2015. Historical Indeterminacy in Mary Shelley's *The Fortunes of Perkin Warlock*. Midwest Modern Language Association Conference, Columbus, OH.
- Cavanaugh J. 2015. Why You Should Consider Teaching in a Flipped or Inverted Format (and How to Painlessly Get Started). Teaching for Student Success Symposium, Wright State University, Dayton, OH.
- Cavanaugh J. 2015. Mentoring Procedures, Policies and Programs. Association for University Regional Campuses of Ohio (AURCO), Kent State University, Salem, OH.
- Daniel DT. 2015. To Copy or Print? Karl Widemann, Michael Toxites, Johann Francke, and the Reception of Paracelsus's Theology within Medical Circles. Sixteenth Century Society & Conference, Vancouver, British Columbia.
- Fuller KR, Ciampaglio CN, Jacquemin SJ. 2015. Preliminary Findings from a Morphological Comparison of Species within the Genera *Isurus* and *Carcharodon*. Geological Society of America, Baltimore, MD.
- Hamilton RFA, Hance D. 2015. Comparison of learning outcomes in a technology assisted inverted introductory analog circuits lab to a traditional lab (Published in Conference Proceedings). IEEE EDUCON: The Global Engineering Education Conference. Tallinn, Estonia.
- Holloway D, Doll JC, Jacquemin SJ. 2015. Tolerance values as a method to describe fish assemblage health in the Wabash River Basin. Midwest Fish and Wildlife Conference, Indianapolis, IN.
- Huelskamp D. 2015. Life on Mars: A Comparison of Earth and Mars. NASA Ohio Space Grant Consortium, Cleveland, OH.
- Kich M. 2015. The Oxymoronic Goal of the Technocrats: Education That Eliminates the Need for Educators. Conference on Neoliberalism and Higher Education, Michigan State University, East Lansing, MI.
- Kich M, McNay J, Kilpatrick S. 2015. Pushing Back against Efforts to Undermine Public Higher Education in the Name of Saving It: Ohio as a Case Study. Conference on Neoliberalism and Higher Education, Michigan State University, East Lansing, MI.

## LAKE CAMPUS SCHOLARSHIP

- Kich M. 2015. From Phoenix to Pearson: The Effort to Reduce Higher Education to a Digital Enterprise. Midwest Conference of AAUP's Collective Bargaining Congress, University of Cincinnati, Cincinnati, OH.
- Kich M. 2015. Corporatization and Online Education. Keynote Address. Annual Meeting of the Illinois Conference of AAUP, St. Augustine College, Chicago, IL.
- Kich M. 2015. The History of the Wright State Chapter of AAUP. Annual Conference of the American Association of University Professors, Washington, D.C.
- Kich M. 2015. Promoting AAUP Principles to Make It Easier to Protect Them: A Report on a Speaker Series Celebrating the AAUP's Centennial. Annual Conference of the American Association of University Professors, Washington, D.C.
- Kich M. 2015. RCM (MDA) Budgeting: How to Be 'Transparent' in an Extremely Ambiguous Way. Annual Conference of the American Association of University Professors, Washington, D.C.
- Kich M, Cooperstein D. 2015. Online Education: Understanding the issues and Drafting Contract Language. AAUP's Summer Institute. University of Denver, Denver, CO.
- Kich M. 2015. The Pedagogical Implications of the Displacement of Cultural Memory by Digital Memory. Annual Conference of the Ohio Association of Two-Year Colleges, Zane State College, Zanesville, OH.
- Mitchell M, Ciampaglio CN, Jacquemin SJ. 2015. Origins of Filter Feeding in Lamniform Sharks. Geological Society of America, Baltimore, MD.
- Moeller H, Ciampaglio CN, Jacquemin SJ, Fabian AJ. 2015. Morphological Analysis of Heterochrony of the Blastoid Genera *Metablastus* and *Tricoelocrinus*. North-Central Geological Society of America, Madison, WI.
- Wilson DH. 2015. Author Guest of Honor and Book Reading from *Battle without Honor or Humanity: Volume 1*. Dog Con 4, Philadelphia, PA.
- Zhang W. 2015. Uniform Convergence for Singularly Perturbed Reaction Diffusion Problems Using a Fitted Numerical Operator. Society of Industrial and Applied Society Conference, Grand Valley State University, Grand Rapids, MI.

## Contracts and Grants

- Attariani H (PI). 2015. A Comprehensive Computational Modeling for Fault Diagnosis of Centrifugal Pump Using Coupled Finite Element – System Identification. Amount: \$10,000. Funding Source: Vibration Institute.
- Attariani H (PI). 2015. Electromechanical Properties of Defected II-VI Semiconductor Nanowire. Amount: \$5,000. Funding Source: Ohio Super Computers.
- Battles K (PI). 2015. Partial Pages' and 'Curious Letters': Perkin Warbeck (1830) and the Evolution of Mary Shelley's Historical Imagination. Amount: \$1,850. Funding Source: Wright State Lake Campus Faculty Research Development Fund.
- Bell A (Student), Jacquemin SJ (Faculty Mentor). 2015. Morphological Variation in Bluegill Across Grand Lake St Marys Basin. Amount: \$348. Funding Source: Wright State Lake Campus Student Centered Mini Grant Program.
- Bertso M (Student), Ciampaglio C (Faculty Mentor). 2015. Population Variation within the Megatooth Shark *Carcharocles megalodon*. Amount: \$500. Funding Source: Wright State Lake Campus Student Centered Mini Grant Program.
- Dean D (Student), Wulandana R (Faculty Mentor). 2015. Analysis of Supercritical CO<sub>2</sub> for use in Rankine Cycle Power Plants. Amount: \$420. Funding Source: Wright State Lake Campus Student Centered Mini Grant Program.
- Faragher M (PI), Junker C (Co-PI). Submitted. War and Reintegration in Rural America. Amount: \$72,000. Funding Source: National Endowment for the Humanities (NEH).
- Hance D (PI), Kender D (Co-PI). Transition Two BIE Undergraduate Engineering Courses from a Traditional Delivery of Instruction to a Student Success Center SCALE-UP Classroom. Amount: \$12,000.
- Hance D (PI). UCIE International Seed Grant for the Study Abroad Program at the Ernst Abbe Fachhochschule in Jena, Germany. Amount: \$2,000.
- Jacquemin SJ (PI). 2015. Equipment Grant – Smith-Root Electrofisher and Generator (5.0GPP). Amount: Value \$10,000. Funding Source: Ohio Department of Natural Resources
- Schoenherr K (Student), Jacquemin SJ (Faculty Mentor). 2015. Swimming Performance Assessment in North American Freshwater Fishes. Amount: \$588. Funding Source: Wright State Lake Campus Student Centered Mini Grant Program.



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- Simons C (PI). 2015. Functional Properties of Resistant Starches and Modified Protein Extracts from Edible Beans. Amount: \$1,100. Funding Source: Wright State Lake Campus Faculty Research Development Fund.
- Simon C (PI). 2015. Sensory Properties of Germinated and Dry Roasted Pinto Beans. Amount: \$2298. Funding Source: Wright State Lake Campus Faculty Research Development Fund.
- Wulandana R (PI). 2015. Girl's STEM Day. Amount: \$2,000. Funding Source: Wright State Multicultural Inclusion Infusion Grant.

# LAKE CAMPUS Annual Research Symposium

Thursday, April 21, 2016

Location: Faculty Suites, 230 Dwyer Hall

Open Research Discussion & Refreshments: *12pm-2pm*



## Researchers & Research Topics

- Tyler Barga, Jaden Perkins and Hamed Attariani: Reconnaissance Robot Project
- Anthony Bell and Stephen Jacquemin: Morphological Variation in Bluegill Across Grand Lake St Marys Basin
- Mindy Bettinger: ALEKS V. Hawkes for DEV Math
- Ann Brake: In Search of God's Path: Sikhism
- Benjamin Boyd, Travis Moorman, Matt Bertke, Hamed Attariani and Rachmadian Wulandana: 3D-Printed Tesla Turbine: Experiment and Analysis
- Joe Cavanaugh and Diane Huelskamp: Practical Application of Active Learning Activities
- Chuck Ciampaglio and Stephen Jacquemin: Quantifying Heterodonty in the Late Devonian Sharks, Cladoseleche and Ctenacanthus from the Ohio Shale, USA
- Angela Clayton and Chuck Ciampaglio: Analysis of Patterns and Processes of Chondrichthyes across the Permian-Triassic Boundary
- Dane Daniel: Evaluating the Authenticity of Paracelsus's Astronomia Magna (1537/38)
- Amber Daniel: Diversity in Cross-Cultural Academic Mentoring Dyads
- Giovanna Follo: Hold On I Need to Record This: The Social Construction of Police/Civilian Interaction through YouTube Videos
- Dave Hochstein: Test Anxiety and Study Habits in College Students
- Diane Huelskamp: A Comparison of Traditional and Block Scheduling Formats with Test Scores in a College Biology Course
- Stephen Jacquemin: A Century of Aquatic Ecosystem Alterations and the Functional Ripple Effect on Cyprinidae Morphology
- Carol Jones: W.E.B. DuBois and #BlackLivesMatter
- Christine Junker: Does Literature Affect Empathy?
- Lucas Lefel, Damien Winner, Brooks Hay, Hamed Attariani and Rachmadian Wulandana: Computational Modeling for Fault Diagnosis of Centrifugal Pump Using Coupled Finite Element – System Identification
- Callie Reymann: The Aesthetics of Everyday Use
- Kurt Schoenherr and Stephen Jacquemin: Swimming Performance Trends in North American Freshwater Fishes
- Courtney Simons and Clifford Hall III: Sensory Evaluation of Gluten-Free Cookies Made with Pinto Beans
- Guy Vandegrift: Wikiversity Teaching
- Howard Wagner: A Reflection on God and Sex: What the Bible Really Says by M. Coogan
- D. Harlan Wilson: Battles without Honor or Humanity: The Irreal Fiction of D. Harlan Wilson

Posters will be on display from 10am-3pm. Questions about this event contact Stephen Jacquemin at [stephen.jacquemin@wright.edu](mailto:stephen.jacquemin@wright.edu).