

NORTHWESTERN CENTER FOR ENGINEERING EDUCATION RESEARCH

What We Learned at ASEE - 2018

NCEER sponsors an annual “debriefing session” to discuss some of the ideas and papers we found especially interesting at the ASEE Annual Meeting. This year’s ASEE meeting was in Salt Lake City in late June.

The ASEE Debriefing session was held on August 14. The following people presented at this session, and discussed the paper or topic indicated. Most of these papers can be accessed from the ASEE website at the links below.

Casey Ankeny, Assistant Professor of Instruction in Biomedical Engineering

[Benefits of Active Learning Embedded in Online Content Material Supporting a Flipped Classroom](#)

Jean-Michel I. Maarek, USC

[Misconception Clarification in Online Graduate Courses](#) Mansfield, J., & Alford, T. L., & Theodore, N. D

Ken Gentry, Senior Lecturer, Design Thinking and Communication, and McCormick Adviser

[Using Design Challenges to Develop Empathy in First-Year Courses](#). James, J. O., & Svihla, V., & Qiu, C., & Riley, C

Gloria Kim, Associate Professor of Instruction in Biomedical Engineering

[Lean LaunchPad and Customer Discovery as a Form of Qualitative Research](#) Hixson, C., & Ingram, E. L., & McCord, R., & Williams, J. M.

Mary Beth Finch, Visiting Assistant Professor of Instruction, Sociology

[Consensus Study Report: Sexual Harassment of Women, National Academies, 2018](#)

Robert A. Linsenmeier, Professor, Biomedical Engineering and Neurobiology

[Satisfaction: Intrinsic and Extrinsic Motivation in Engineering Writing Coursework](#), Stephanie Pulford, J. Tan, M.R. Gonzalez, A. Modell, UC Davis

Here are links to a few other interesting papers:

[Work in Progress: Mandatory Attendance in Office Hours to Improve Students' Learning Experience.](#) S. Cyrus Rezvanifar, R. Amini, U. Akron

[Exploring Biomedical Engineering Students' Self-Raised Motivations for Engaging in Instructional Design.](#) Jacqueline Handley, A. Huang-Saad, C.S.E. Woodcock, U. Michigan

[Enhancing Student Leadership Competencies through Reflection,](#) Dianne Hendricks, K. Yasuhara, A.C. Taylor, U. Washington

[Technical Communication across the ME Curriculum at Rose-Hulman](#)
Rebecca Bercich, S. Summers, P. Cornwell, J. Mayhew

Papers presented by Northwestern authors at ASEE 2018

Every year, Northwestern authors present several papers at ASEE. This year's papers were:

[Creating and Scaling an Evidence-based Faculty Development Program](#)

Ankeny, C. J., & Mayled, L. H., & Ross, L., & Hjelmstad, K. D., & Krause, S. J., & Middleton, J. A., & Culbertson, R. J.

[Academic Advising and Student Affairs Working Together to Improve First-year Experience of Engineering Students](#)

Bacon, H. K. K., & Birdwell, J. A., & Brown, O., & Tevaarwerk, E., & Freeman, R. W., & Roldan, W., & Gentry, K., & Pokryfky, A. R.

[Engineering and Technology Literacy Introduced in Cornerstone Design Courses](#)

Freeman, R. W., & Birdwell, J. A., & Tevaarwerk, E., & Gentry, K., & Brown, O.

[Facilitating Change in Instructional Practice in a Faculty Development Program through Classroom Observations and Formative Feedback Coaching Paper](#)

Hjelmstad, K. L., & Hjelmstad, K. D., & Krause, S. J., & Mayled, L. H., & Judson, E., & Ross, L., & Culbertson, R. J., & Middleton, J. A., & **Ankeny, C. J., & Chen, Y.**

[Work in Progress: Bridging Research and Entrepreneurship - Master's Certificate in Translational Biomedical Research at Northwestern University.](#)

Kim, G. J., & Ankeny, C. J., & Fisher, M. J.

[IUSE: EHR - Enhancing and Expanding Experiential Learning Modules across Disciplines and Institutions](#)

Kim, G. J., & Linsenmeier, R. A., & Reissman, T., & Finch, M. B.

[Assessing Faculty and Organizational Change in a Professional Development Program with Workshops and Disciplinary Communities of Practice](#)

Krause, S. J., & Hjelmstad, K. D., & Judson, E., & Middleton, J. A., & Culbertson, R. J., & **Ankeny, C. J., & Chen, Y., & Ross, L., & Mayled, L. H., & Hjelmstad, K. L.**

[A Multidisciplinary Professional Development Program that Shifts Faculty Attitudes and Practice Toward Evidence-Based Instructional Strategies \(EBIS\) for Teaching and Learning](#)

Krause, S. J., & Judson, E., & Hjelmstad, K. D., & Middleton, J. A., & Culbertson, R. J., & **Ankeny, C. J.**, & Chen, Y., & Ross, L., & Mayled, L. H., & Hjelmstad, K. L. (2018, June),

[Is There a Connection Between Classroom Practices and Attitudes Towards Student-Centered Learning in Engineering?](#)

Ross, L., & Judson, E., & **Ankeny, C. J.**, & Krause, S. J., & Culbertson, R. J., & Hjelmstad, K. D., & Mayled, L. H., & Glassmeyer, K., & Middleton, J. A., & Hjelmstad, K. L.