

Contents

Special Issue

Selected Papers from the 2014 Capstone Design Conference

Guest Editors

Steven Beyerlein—University of Idaho, USA

Jay Goldberg—Marquette University, USA

Susannah Howe—Smith College, USA

Scott Palo—University of Colorado, USA

Renee Rogge—Rose-Hulman Institute of Technology, USA

R. Keith Stanfill—University of Florida, USA

Steven Beyerlein, Jay Goldberg Susannah Howe, Scott Palo Renee Rogge and R. Keith Stanfill	1723–1726	Guest Editorial
Mohammad G. Rasul, Justine J. Lawson, Prue Howard, Fae Martin and Roger Hadgraft	1727–1735	Learning and Teaching Approaches and Methodologies of Capstone Final Year Engineering Projects
Jay McCormack, Steve Beyerlein, Patricia Brackin, Edwin Odom and Dan Cordon	1736–1747	Snapshot Style Poster Sessions for Formative Inter-Team Design Feedback in Capstone Courses
Matthew W. Ohland, David Giurintano, Brian Novoselich, Patsy Brackin and Shraddha Sangelkar	1748–1759	Supporting Capstone Teams: Lessons from Research on Motivation
Charles Pezeshki and Steve Beyerlein	1760–1772	Improving Capstone Design Outcomes and Student Development by Coaching the Client
Jay Goldberg and Susannah Howe	1773–1779	Virtual Capstone Design Teams: Preparing for Global Innovation
Clifford A. Whitfield, Robert B. Rhoads and Jacob T. Allenstein	1780–1798	Multidisciplinary Capstone: Academic Preparation and Important Outcomes for Engineering Practice
Ada Hurst and Oscar G. Nespoli	1799–1809	Peer Review in Capstone Design Courses: An Implementation Using Progress Update Meetings
Justine Lawson, Mohammad G. Rasul, Prue Howard, Fae Martin, Roger Hadgraft and Rob Jarman	1810–1818	Getting it Right: The Case for Supervisors Assessing Process in Capstone Projects
Peter F. Rogers and Denny C. Davis	1819–1831	Framework for Developing Assessments for Capstone Design Course Outcomes
Gene Dixon and Denny Davis	1832–1843	Design Reviews for Capstone Courses
Olga Pierrakos, Elise Barrella and Kylie Stoup	1844–1859	On the Impacts of Panel-based Technical Design Reviews during the Capstone Design Experience at James Madison University: From Implementation to Mixed-Methods Evidence
Katherine Kuder, Nirmala Gnanapragasam and J. Paul Smith-Pardo	1860–1868	Role and Impact of Structural Retrofit Capstone Projects
Nirmala Gnanapragasam, J. Wesley Lauer, J. Paul Smith-Pardo, Michael Marsolek and Nathan Canney	1869–1880	International Civil Engineering Capstone Projects—Benefits, Challenges and Lessons Learned
David Alexander, Greg Watkins, Steve Beyerlein and Scott Metlen	1881–1891	Processes to Formalize Sponsored Educational Activity Agreements between Industry and Universities Related to Capstone Design Projects
Nicholas S. Baker, William J. Macauley, Jr. and Emil J. Geiger	1892–1901	Use of Writing Fellows to Support an Engineering Capstone Course
Tracy Ann Robinson, Javier Calvo- Amodio, John P. Parmigiani and Vicki Tolar Burton	1902–1923	Capstone Design as an Individual Writing Experience
	1924	Guide for Authors

