

CALL FOR PAPERS
ACM Transactions on Computing Education

Special Issue on Capstones and Projects in Computing Education

Guest Editors: Mark Sherriff & Sarah Heckman

Abstract Submission Deadline: January 15, 2017

We are pleased to announce a Special Issue on **Capstones and Projects in Computing Education** that will be published by the ACM Transactions on Computing Education (TOCE) in 2018. ACM TOCE covers diverse aspects of computing education by publishing papers with a scholarly approach to teaching and learning, a broad appeal to educational practitioners, and a clear connection to student learning. This special issue focuses on capstone projects, major design experiences, and large projects in computing education. It will include a collection of papers that explore the creation, implementation, and empirical examination of large-scale projects in computing education at all levels - from K-12 through graduate programs. The goal of the issue is to advance the body of knowledge regarding empirically-investigated, best practices in capstone and project design.

Aim and Scope

We call for practitioners and researchers to submit manuscripts that effectively present and evaluate any and all aspects regarding the design, implementation, and evaluation of capstone and large-scale projects in computing education. We expect accepted papers to include both a theoretical foundation and empirically validated results. Potential topics *situated specifically in the context of computing education projects and capstones* include, but are not limited to:

- How to manage capstones and large projects in the face of rising enrollments
- Capstones to satisfy learning outcomes related to “soft skills”
- Novel use of projects in computer science education contexts
- Empirical results demonstrating efficacy of project and capstone courses
- Software engineering skills for large scale projects
- Industrial sponsored projects and working with industrial partners
- Long running or multi-semester projects
- Multi-disciplinary projects and working with other disciplines
- Legal and ethical issues
- Handling interpersonal complexities for project teams
- Evaluating contribution and participation in team projects
- Working with not-for-profit organizations
- Contributing to open-source projects

Important Dates

Extended abstracts (up to 1000 words)	January 15, 2017
Decisions on abstracts	February 1, 2017
Full papers due	April 1, 2017
Notification of Acceptance	August 1, 2017
Revised manuscripts due	October 1, 2017
Special issue published	January, 2018

To submit extended abstracts, email them directly to the guest editors (in PDF format) at toce@empiricalcsed.org. TOCE uses the Small Standard Journal Format as found at <http://www.acm.org/publications/acm-word-style-guide>. Use this style for extended abstracts as well as the full paper if your abstract is accepted. For more information about TOCE and the author guidelines, see <http://toce.acm.org/authors.cfm>.

Please email the guest editors directly if you have any additional questions.

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