

**Michael E. Battig**  
**Associate Professor & Chair**  
**Department of Computer Science**  
**Saint Michael's College**  
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## **Education**

Ph.D. in Computer Science, Mississippi State University, August 1998  
Dissertation Title: "An Empirical Justification and Methodology for Reusable Built-In Test Features in Object-Oriented Software."  
M.S. in Computer Science, University of North Texas, December 1991  
B.S. in Systems Analysis, Miami University, Oxford, Ohio, May 1984

## **Courses Taught at Saint Michael's College**

CS101 – Introduction to Computing (Spring 2001, Summer 2002-2007)  
CS111 – Introduction to Computer Science I (Fall 2000-2005)  
CS113 – Introduction to Computer Science II (Spring 2001-2008)  
CS211 – Data Structures and Analysis of Algorithms (Fall 2000-2003)  
CS303 – Programming Languages (Fall 2004-2007)  
CS305 – Data Base Management Systems (Spring 2004-2008)  
CS407 – Software Engineering (Fall 2000-2007)  
CS415 – Artificial Intelligence (Spring 2004-2008)  
CS411 – Special Topics in Computer Science (Advanced Software Engineering-Spring 2002)  
FS161 – Ethics and Technology in Society (Fall 2007)  
GSA541 – Management Information Systems (Graduate Program – Fall 2007)

## **Additional Courses Taught (1992-1999)**

Database Design & Implementation (Norwich University)  
Data Communications & Networks (Norwich University & Belhaven College)  
Ethics in Computing (Norwich University)  
Current Research Topics (Belhaven College)  
Computers in Education (Belhaven College)  
Management Information Systems (Belhaven College)  
Visual Basic Programming (Norwich University & Belhaven College)  
Pascal & COBOL Programming (Belhaven College)

## **Academic & Administrative Service**

Spearheaded Initiative to Create a New Information Systems Program (2000-2002), Current Program Coordinator  
Chair of the Educational Technology Committee (2002-2004)  
Faculty Welfare Committee (2005-2009)  
Technology Steering Committee (2003-2006)  
Pension Committee (2001-2003, 2006)  
Faculty Visitor Program (Advisor in Ryan Hall, 2003)  
Lead Author of Vermont Dept. of Education Computer Science Endorsement for Secondary Teachers (2000-2003)

Program Director & Associate Professor of Computer Science & Computer Information Systems,  
Norwich University (1998-2000)

Revised the Computer Science & Computer Information Systems Curricula at Norwich University  
(1998-1999)

Revised the Computer Science & Information Systems Curricula at Belhaven College (1996-1998)  
Assistant Professor (1992-97), Associate Professor (1998) & Chair (1996-98) of Computer  
Science Department at Belhaven College

Faculty Elected Representative to the Belhaven College Board of Trustees (1994 - 1996)

## **Research Areas**

Software Engineering  
Computer Science Education

## **Scholarship & Publications**

“Examining the impact of a new Information Systems Program and NSF STEM funding on  
computing enrollments,” Proceedings of the Information Systems Education Conference 2007, to  
appear in: Information Systems Education Journal.

“Team project on requirements elicitation and user interface prototyping” module created for  
SWENET, The Network Community for Software Engineering Education, July 2005, with support  
from the NSF (<http://www.swenet.org/viewModule.aspx?moduleID=159>, co-authored with Prof.  
Charles Wallace)

“Pilot Studies Introducing Collaborative and Distance Learning Paradigms in a Residential  
Environment.” Proceedings of the Information Systems Education Conference 2004. November  
2004 (co-authored with Dr. Greta Pangborn).

“Observations from a Multi-Platform Approach to User Interface Design Pedagogy.” Proceedings of  
the 19<sup>th</sup> Annual Eastern College Computing Sciences Conference. October 2003. Also in The  
Journal of the Consortium for Computing Sciences in Colleges.

“Utilizing the PDA as a Vehicle for User Interface Design Pedagogy.” Proceedings of ED-MEDIA  
2002 World Conference on Educational Multimedia, Hypermedia & Telecommunications. June 2002

“Migrating a Traditional Network and Data Communication Laboratory Course to an Information  
Systems-Friendly Environment.” Proceedings of the Information Systems Education Conference  
2000. November 2000.

“Heuristics for Reusable Built-In Test Features in Object-Oriented Programs.” Proceedings of the 1<sup>st</sup>  
International Conference on Information Reuse and Integration. November 1999.

“Scaling a Data Communications Laboratory Course to fit the Small College Computing Curriculum.”  
The Journal of Computing in Small Colleges, Vol. 13, No.4. April 1998.

“Built-In Test Features for Testing Object-Oriented Programs.” Proceedings of the ISCA  
International Conference on Computer Applications in Industry and Engineering. December 1997.

“Pedagogy vs. Practice: Observations Regarding CS1 Programming Language Usage.”  
Proceedings of the 34th Annual ACM Southeast Conference. April 1996.

## **Grants**

NSF – CSEMS (Computer Science Engineering and Mathematics Scholarships), 2001-2007, \$200,000  
Saint Michael's College Faculty Development Grant: "Integrating the PSP into the CS Curriculum at SMC," 2001, \$2,200  
Saint Michael's College Student Summer Research Project (Faculty Mentor for Andrew Bays), Summer 2002  
Saint Michael's College Educational Technology Grant: "Investigating the Effectiveness of the Collaborative Learning Lab," Spring/Summer 2003, \$2,250

### **Lectures & Presentations**

"Computer Science Education and Asperger's Syndrome," CCSC Northeast Conference, Holy Cross, April 21, 2006.  
"Software Architecture: An overview of the Software Engineering Institute's Approach," Miami University, 3<sup>rd</sup> Annual CSA Conference, October 8, 2004.  
"Project Management: A Primer," Miami University, 2<sup>nd</sup> Annual CSA Conference, October 3, 2003  
"The Project Proposal," Vermont Chapter of the Project Management Institute, April 17, 2003  
"Software Engineering Lessons from Palm OS Development," Miami University, 1<sup>st</sup> Annual CSA Conference, October 11, 2002  
"The ABCs of Designing an Articulation Agreement for you Corporate-College Partnership," Dallas, TX, October 18, 1999. Sponsored by Corporate University Xchange.  
"Heuristics to Implement Built-In Test (BIT) Features within Object-Oriented Programs," University of Vermont, April 15, 1999. Sponsored by Computer Science Department.

### **Professional Affiliations**

Member of the ACM  
Member of the AITP  
Member of the vtSDA  
Member of the ISCA  
Upsilon Pi Epsilon (National Computing Honor Society, Inducted 1991)

### **Professional Experience**

Software Engineering Consultant, Wyeth-Ayerst Research, Chazy, NY (Summer 2001)  
Software Engineering Consultant, IBM, Essex Junction, VT (Summer 2001)  
Software Engineering Consultant, Green Mountain Software, Colchester, VT (Summer 2000)  
Software Education Consultant, IDX Systems Corp., Burlington, VT (Summer 1999)  
C++/OOP Training Consultant, Trustmark Bank, Jackson, MS (Summer 1997)  
Senior Systems Analyst, J.C.Penney Co., Dallas, TX (1989 – 1992)  
Systems Analyst, J.C.Penney Insurance Co., Columbus, OH (1984 – 1989)