Robert Christopher-Lee Riley

Curriculum Vitae

criley@deltastate.edu

EDUCATION

Ph.D. Business Administration – Production & Operations Management, University of Mississippi, December 2014

Dissertation: *Relaxation Adaptive Memory Programming for the Resource Constrained Project Scheduling Problem*

M.S. Engineering Science – Electrical Engineering, University of Mississippi, December 2003

B.S. Electrical Engineering, University of Mississippi, May 2000

PUBLICATIONS

Refereed Journal Articles

Elsherbeni, A. Z., Inman, M. J., & Riley, R. C.L. (2003). Antenna Design and Radiation Pattern Visualization. *Applied Computational Electromagnetics Society Journal*, 18(4), 26-32.

Sanders, D. A., Cremaldi, L. M., Eschenburg, V., Lawrence, C. N., Riley, C., Summers, D. J., & Petravick, D. L. (2002). Redundant arrays of IDE drives. *Nuclear Science, IEEE Transactions on*, 49(4), 1834-1840.

Conference Proceedings

Riley, C., Rego, C., & Li, H. (2010, April). A simple dual-RAMP algorithm for resource constraint project scheduling. In *Proceedings of the 48th Annual Southeast Regional Conference* (p. 67). ACM.

Sanders, D. A., Cremaldi, L. M., Eschenburg, V., Lawrence, C. N., Riley, C., Summers, D. J., & Petravick, D. L. (2003). Terabyte IDE RAID-5 Disk Arrays. 2003 Conference for Computing in High Energy and Nuclear Physics (CHEP 2003), La Jolla, CA, March 24-28, 2003.

Elsherbeni, A. Z., Inman, M. J., & Riley, R. C.L. Antenna Design and Radiation Pattern Visualization. The Applied Computational Electromagnetics Society Symposium 2003, Monterey, CA, March 24-28, 2003.

Elsherbeni, A. Z., Glisson, A. W., Riley, C. L., & Smith, C. E. (2000). Tools for Electromagnetic Modeling and Visualization Using the FDTD Technique. *ANTEM*, 339-342.

Elsherbeni, A. Z., Riley, C. L., & Smith, C. E. (2000). A graphical user interface for a finite difference time domain simulation tool. In *Southeastcon 2000. Proceedings of the IEEE* (pp. 293-296). IEEE.

Summers, D., Riley, C., Cremaldi, L., & Sanders, D. Work with Apple's Rhapsody Operating System which Allows Simultaneous UNIX Program Development, UNIX Program Execution, and Commercial PC Application Program Execution. Computing in High Energy Physics 1998 (CHEP '98); Chicago, Illinois; August 31 - September 4, 1998.

Work in Progress

Riley, C., & Rego, C. A Lagrangian RAMP Algorithm for the Resource Constrained Project Scheduling Problem (Submitted for review)

FELLOWSHIPS

2002 Graduate Research Fellow, Mississippi Space Commerce Initiative

CONFERENCE ACTIVITY

Papers Presented

Riley, C., Rego, C., & Li, H. (2009). A RAMP Approach to the Resource Constrained Project Scheduling Problem. INFORMS Annual International Meeting, San Diego, CA, October 11-14, 2009.

Riley, R. C.L. & Elsherbeni A. Z. (2003) Modeling and Simulation of Synthetic Aperture Radar (SAR) Imaging Systems. MSCI 4th Annual Graduate Studies Symposium – Stennis Space Center, Hancock County, MS, April 2003.

Riley, R. C.L. & Elsherbeni A. Z. (2003) Modeling and Simulation of Synthetic Aperture Radar (SAR) Imaging Systems. UM Remote Sensing Research Forum – University of Mississippi; University, MS, April 2003.

Riley, R. C.L. & Elsherbeni, A. Z. Performance Analysis of a Nonuniform 3-D Finite Difference Electromagnetics Simulation Code. Mississippi Academy of Sciences, Hattiesburg, MS, March 2003.

Interactive Sessions

Riley, C., Rego, C., & Li, H. (2010). Dual-RAMP Algorithm for the Resource Constrained Project Scheduling Problem. INFORMS Annual International Meeting, Austin, TX, November 7-10, 2010.

Elsherbeni, A. Z., Inman, M. J., & Riley, R. C.L. Antenna Design and Radiation Pattern Visualization. The 19th Annual Review of Progress in Applied Computational Electromagnetics; Monterey, CA; March 24-28, 2003.

TEACHING EXPERIENCE

University of Mississippi, School of Business Administration

Introduction to Operations & Supply Chain Management (Instructor of record, Summer 2009, Fall 2010, Spring 2011)

University of Mississippi, School of Engineering

Programming for Engineering and Science (Instructor of Record, Fall 2003)

NON-ACADEMIC WORK

2008 & 2004 – 2005	Consultant, BorgWarner Emissions/Thermal Systems, Water Valley, MS. The scope of this work was comprised of making recommendations and implementing additional statistical process control (SPC) and Six Sigma methodologies to their proprietary machine control and management information system to facilitate better quality control over production processes.
2000 – 2001	Software Developer, BWImage, Inc.

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

Institute of Electrical and Electronics Engineers – IEEE (since 1997)
Institute for Operations Research and the Management Sciences – INFORMS