
Howard Lee Shinaberger, M.B.A.
Teaching Associate

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Academic Background

Degrees

M.B.A. University of South Carolina, Columbia, SC, Business Administration, 1999

B.S. University of Pittsburgh, Pittsburgh, PA, Mechanical Engineering, 1993

Academic Experience

Lecturer, Coastal Carolina University (January, 2012 - Present).

Teaching Associate, Coastal Carolina University (2005 - December, 2011).

INTELLECTUAL CONTRIBUTIONS

Non-Refereed Articles

Reynolds, C., Shinaberger, H. L., Sayer, P., & Rawal, B. (2004). The Evolution of Low ESR Double Layer Capacitors. Battery Power Products & Technology.

Research Reports

2004: Rawal, B. & Shinaberger, H.L., BestCap: A New Generation of Pulse Double Layer Capacitors (Application Notes: AVX Corporation)., submitted to .

Presentation of Non-Refereed Papers

National

Shinaberger, H. L. (2002). BestCap(TM): Double Layer Capacitors for Pulse Applications. Kyocera North American Technical Conference, La Jolla, California.

Professional Associations

Teaching

Courses Taught

Courses from the Teaching Schedule: Business Statistics, Survey of Food & Beverage Management

Other Teaching Activities

Assurance of Learning - Teaching

2012 - Assurance of Learning - Teaching. Member of an ad hoc committee to create an assessment instrument for CBAD 291, part of the University core. Assisted in creation of a series of questions to be included in the course exams throughout the semester.

Course (New) - Creation/Delivery: Online

2012 - Course (New) - Creation/Delivery: Online. Basic methods of descriptive statistics and statistical inference; probability,

hypothesis testing, and linear regression with an emphasis on decision making in business. Additionally, this course is a study of fundamental principles and policies of a modern economy to include product markets, market structures, and regulatory issues.

Non-Academic Experience

National

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2011 - 2011).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2010 - 2010).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2009 - 2009).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2008 - 2008).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2007 - 2007).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2006 - 2006).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2005 - 2005).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2004 - 2004).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2003 - 2003).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2002 - 2002).

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2001 - January, 2001). Develops products, manages development team working on multiple projects, designs new products and product extensions, assists in developing business plan, identifies and implements cost reduction measures, etc.

Principal Product Development Engineer / Senior Product Development Engineer, AVX Corporation (2001 - 2001).

Senior Mechanical Engineer / Mechanical Engineer, AVX Corporation (1997 - 2001). Designed prototype and mass-production equipment, evaluated commercial machinery, and responsible for cost analysis (ROI, payback) of projects.

Mechanical Engineer, Versa Tech Company (1995 - 1997). Designed automated manufacturing equipment.

Consulting

2012: AVX, Sampling Defect Rates, Determine defect rate 90% confidence interval for tests with 0 defects in a sample.

2012: AVX, Gage R&R of AOI machinery., Create instructions and forms to conduct Gage R&R testing of Automated Optical Inspection (vision) machines.

2012: AVX, Gage R&R Training, Teach Attribute Gage R&R using MiniTab

2012: AVX, Consultant, Data mining of Oracle production records. Teach attribute Gage R&R methods using Minitab.

2012: AVX, Cap/DF Gage R&R, Create instructions and forms to Conduct Gage R&R Testing on Cap/DF machines.

2011: AVX, Pre-Pack QC DB: Add additional functionality, including maverick lot capability. Atypical lots as identified by Nelson rules will be flagged for review.

2011: AVX, Large Chip Dimension Optimization: Change physical dimensions of largest chip families to be more consistent. Goal is to decrease the variation in chip dimension to reduce packaging costs. Must account for different shrinkage rates during firing of different ceramic types. Address highest shrinkage ceramic first to center within the target dimensions.

2010-2011: AVX, Pre-Pack QC DB: Implement Oracle based system designed to monitor QC results prior to

packaging for shipment to customer. System will verify all required testing has been completed per customer's specification. System to track testing requirements on 18,000 unique part numbers and notify engineering when the design department changes the specification for any part number. Quantitative data stored for common tests (physical dimensions, capacitance, DF) and qualitative data for all special tests (pass/fail count).

2010-2011: AVX, Electrical Test DB: Specify Oracle based information system to track job performance. Qualitative data (pass/fail) to be saved for 100% testing with quantitative data to be saved for AQL testing. Include data storage for any special testing requirements for specific customers. Include capability to monitor yield performance using Nelson rules and automatically flag maverick lots for engineering review. System should be scalable so that quantitative data may be stored in the future for all tests. Manage programming implementation by internal developers.

2010-2011: AVX, Yield Improvement: Address yield issue with . Customer is experiencing yield loss of , in excess of specified target of . Monitor lots for atypical performance, and develop a method to predict customer yield. Identify lots with unacceptable risk for additional processing.

CURRENT STATUS: Complete, customer yield is significantly better than target.

Articles in Books of Readings

Rawal, B. & Shinaberger, H. L. (2004). Application Notes: AVX Corporation, BestCAP: A New Generation of Pulse Double Layer Capacitors. AVX Corporation.

Patents

2013 - Electric Double Layer Capacitor. (# 8,345,406)

2013 - Electrochemical Capacitor containing Ruthenium Oxide Electrodes. (# 8,385,052)

2010 - Electric Double layer Capacitor. (# 2010/0238,606)

2010 - Electrochemical Capacitor containing Ruthenium Oxide Electrodes. (# 2010/0142,123)

2009 - Electrochemical low ESR capacitor with connector. (# 7,599,191)

2007 - Electrochemical Low ESR Capacitor with Connector. (# 20070117422)

Service:

Service to the University

College Assignments

Member:

2012-2013: Faculty Policy Committee: Assigned as ex-officio member to the College Faculty Policy Committee.

Other Institutional Service Activities:

2012-2013: New Faculty Liaison:

- Responsibilities:
 - Coordinate activities between the department chair, administrative assistants, Human Resources, Provost's office, ITS, Facilities, and CeTEAL to prepare the campus for the arrival of new faculty to the Wall College of Business.
 - Assist new faculty in preparing for the administrative component of the new semester.
 - Academic assistance is excluded from the responsibility and authority, but may be coordinated with faculty within the department as directed by the department chair. In other words, the liaison should not overreach in assisting with information on academic content, all information should be coordinated with the department chair.

University Assignments

Other Institutional Service Activities:

2012: CeTEAL Session: Using Pivot Tables in Excel for Data Analysis and Reporting: Do you have data, particularly large amounts, which you need to analyze? This session will help you bring order to your data so you can use it to answer questions, make decisions and create reports. Pivot

Tables in Excel offer a way to take data, organize it and view or "pivot" it different ways. Using Pivot Tables you can find relationships and groupings, list of unique values, find trends, create subtotals, create totals, and data aggregations such as count, sum and average. Pivot Tables is a great tool for annual reports, assessment reports, or other reports, In this hands-on session, we will work with a sample data set. This is an intermediate Excel session and assumes strong knowledge of Excel basics. Instructor: Lee Shinaberger, Lecturer, Management and Decision Science, Wall College of Business
Session outcomes:

- Understand the use of pivot tables as a data summarization and data visualization tool
- Learn to prepare and format data for a pivot table
- Use Pivot Tables to create different reports for analysis
- Use pivot tables to provide summary information
- Use pivot charts to display and customize views of data
- Create and customize a pivot chart

2012: CeTEAL Session: Describing Your Data and Using Excel: Descriptive Statistics:

Do you need a refresher on statistics for your research or just want to understand basics for your research or to better analyze student grades? This session will review the fundamentals of descriptive statistics to describe a set of data. A set of sample data will be provided (or bring your own) so participants can have hands-on experience manipulating data in Excel.

In this session you will:

- Review descriptive statistics vocabulary for research
- Use the data analysis tool to quickly summarize data (mean, media, mode, standard deviation, range, etc.)
- Discuss research scenarios that are appropriate for the use of descriptive statistics

2012-2013: Assessment of CBAD 291, Business Statistics: Develop assessment instrument for CBAD 291.

Service to the Profession

Other Professional Service Activities

2012: Office of Institutional Research. Assist in the development of a Fact Book specific to the Wall College of Business by recommending specific reports and soliciting input from faculty and administration within the college. Develop forecasting methods for the Fact Book.

2004: Kyocera North American Technical Conference, Myrtle Beach, South Carolina. Master of Ceremonies (Poster Session/Dinner)

Service to the Community

Other Community Service Activities

2012: GCSO 2012 Technology Fair, Judge entries to the Georgetown County School District Technology Fair . There were 242 students, 22 teachers, and 141 projects presented. Presentations were made by students from grades K-12.

Faculty Development

Instructional-Related Conference

2012: Center for Effective Teaching and Learning, Conway, South Carolina. Distance Learning Bootcamp.

Research-Related Conference/Seminar

2012: Southeast InFORMS Meeting, Myrtle Beach, South Carolina. Attended..

Other Professional Development

2012: Coastal Carolina University, Conway, South Carolina. Mark Mitchell has graciously agreed to lead a Sedona training session on Tuesday, November 27th at 2:00 in WALL 305. New faculty (tenure track and lecturers) and those that need to brush up on Sedona are encouraged to attend.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. Focusing Your Academic Plan:

Integrating Research, Teaching and Service.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. Building Your Professional Portfolio.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: Cheating and Plagiarism/Academic Dishonesty: Preventing, Detecting, Dealing With It, November 14.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. Blackboard Learn: Rubrics.

Professional Seminars / Workshops

2012: Coastal Carolina University, Conway, South Carolina.

The event will begin with a panel of 6 faculty, 3 from Business and 3 from Humanities. Dodi Hodges from CeTeal will moderate the panel, focused on going beyond the content to connecting with students. At about 6:00 we will break into groups of about 6 for dinner and to continue the discussion in a smaller group format.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Orientation, August 14-15.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: What wasn't said during Orientation, August 28.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: Active Learning, September 5.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: Ombuds / Sexual Harassment, September 18.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: FERPA and Grades, October 4.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: Policies and Grievance Procedures, October 16.

2012: Center for Effective Teaching and Learning, Conway, South Carolina. New Faculty Seminar: Student Referrals, October 31.

2006: Leadership Grand Strand, Myrtle Beach, South Carolina.

Technology-Related Training

2012: Center for Effective Teaching and Learning, Conway, South Carolina. Increase Retention: Using the Early Warning System in Blackboard.

2011: Center for Effective Teaching and Learning, Conway, South Carolina. Blackboard Learn Basics: An Introduction to the New Blackboard Learn.

Honors-Awards-Grants

Award

2006: Leadership Grand Strand, Class XXIII. Class Project: Fund and construct an administrative and education building for the Horry County Shelter Home Myrtle Beach Area Chamber of Commerce.

2004: Area Governor 2003-2004, Distinguished Area Toastmasters International.

2001: Club President 2000-2001, Distinguished Club Toastmasters International, Grand Strand Toastmasters.

Computer Skills

Microsoft Office

Qualification: Academic/Professional

Professionally Qualified