Curriculum Vitae
Stephen J. Zilora
Information Sciences and Technologies Department
B. Thomas Golisano College of Computing and Information Sciences
Rochester Institute of Technology

Contact Information

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Education

Degree	Field	Institution	Date
Master of Science	Computer Science	NJ Institute of Technology	5/89
Bachelor of Science	Chemical Engineering	University of Rochester	5/80

Academic Employment

a. July 2017 to Present. Professor in the Information Sciences and Technologies Department, Rochester Institute of Technology.

b. July 2012 to Present. Department Chair in the Information Sciences and Technologies Department, Rochester Institute of Technology. Responsible for the strategic direction and daily operations of a department encompassing 7 degrees, 4 global programs, 2 fully online degrees, approximately 30 faculty, 50 annual adjunct positions, 6 staff, and 750 students.

c. July 2008 to July 2017. Associate Professor in the Information Sciences and Technologies Department, Rochester Institute of Technology.

d. September 2002 to June 2008. Assistant Professor in the Information Sciences and Technologies Department (formerly known as Information Technology Department), Rochester Institute of Technology.

e. September 2001 to June 2002. Visiting Professor in the Information Technology Department, Rochester Institute of Technology.

f. September 2001 to June 2002. Adjunct Faculty Member in the Computer Science Department, St. John Fisher College. Instructed Freshmen and Sophomore students in "Introduction to Programming" (Visual Basic).

g. September 1995 to June 2001. Adjunct Faculty Member in the Chemical Engineering Department, University of Rochester. Instructed Sophomore and Junior students in "Introduction to Programming" (FORTRAN, Visual Basic).

Non-Academic Employment

a. 1997-2001, Integrated Cabling and Communications, IT Manager. Member of senior executive committee; managed all computing operations and software development at corporate office and both permanent and temporary remote offices.

b. 1989-1997, Creative Software Solutions, Inc., Vice President. Responsible for daily operations including sales, marketing, and R&D. Assisted clients in the development of computing strategies and budgets, workflow analyses, and design and development of decision support systems.

c. 1980-1989, Exxon Research & Engineering, Senior Engineer. Management and execution, both local and onsite, of chemical engineering and software engineering projects for Exxon's worldwide affiliates and licensees.

Teaching

Curricular Development

a. 2016. ISTE-500/501 Senior Capstone Development course. Conceived, developed, and taught this new interdisciplinary, international, team-based course that exposes students to industry-inspired projects and the many problems that may be encountered.

b. 2016. MS/ME Health Systems Engineering. Worked with leaders from College of Enginering and College of Health Sciences and Technologies to design this new interdisciplinary degree. The College of Engineering is the administrative unit for this degree; my role was to ensure students had an appropriate foundation in computing technology and the opportunity to pursue a data analytics path if they so chose.

c. 2016. MS Data Science. Worked with leaders from the School of Mathematics, the College of Engineering, and the College of Computing and Information Sciences to design this new interdisciplinary degree. The Department of Computer Science is the administrative unit; my role was to provide guidance in the overall design and to ensure students had the opportunity to pursue an applied analytics path if they so chose.

d. 2015. BS Digital Humanities and Social Sciences. Worked with leaders from the College of Liberal Arts to design this new interdisciplinary degree. The College of Liberal Arts is the administrative unit, however the Information Sciences and Technologies department plays a particularly strong role with five courses in the core in addition to concentration opportunities.

e. 2015. BS Human-Centered Computing. Worked with leaders from Psychology Department, School of New Media, and GCCIS to design this new interdisciplinary degree. Work was based on a concept paper by Vicki Hanson, et al. Guided the degree through all curriculum development and approval processes, led the design, and helped with the delivery of marketing efforts.

f. 2015. Web and Mobile Computing, redesigned and rebranded degree. Together with Undergraduate Program Director Dan Bogaard and beginning in 2013, refocused the current IT degree on full-stack application development. Guided the reworked degree through all curriculum development and approval processes; led the design and helped with the delivery of marketing efforts.

g. 2015. Computing and Information Technologies, redesigned and rebranded degree. Together with Undergraduate Program Director Dan Bogaard and beginning in 2013, refocused the current NSA degree on the traditional 5 pillars of information technology. Guided the reworked degree through all curriculum

development and approval processes; led the design and helped with the delivery of marketing efforts.

h. 2015. ISTE-422 Application Development Practices, new course.
i. 2015. ISTE-432 Database Application Development, new course.
j. 2014. MS Health Informatics Degree. Following the departure of the University of Rochester Medical Center from the partnership with RIT for the MS Medical Informatics Degree, led efforts to partner with the College of Health Sciences and Technologies, assemble a task force, and take part in the redesign of the degree as an online degree in Health Informatics (now awaiting NYSED approval).
k. 2014. ISTE-340 Client Programming, new course (with Dan Bogaard).
l. 2014. ISTE-341 Server Programming, new course.
m. 2014. ISTE-330 Database Connectivity & Access, conversion to semester format.
n. 2014. ISTE-764 Project Management, conversion to semester format.
o. 2010. Minor in Applied Informatics. Designed minor and new course, ISTE-250 Introduction to Informatics.
p. 2009. 4002-780 Design, Development, and Deployment, new course.
q. 2009. 4002-895 Software Development & Management Capstone, major rewrite of course.
r. 2009. 4002-250 Introduction to Informatics, new course.
s. 2007. 4006-430 Medical Application Integration, new course.
t. 2007. 4002-484 Fundamentals of Database Client/Server Connectivity, major rewrite of course.
u. 2006. 4002-360 Introduction to Database and Data Modeling, major rewrite of course (with Ed Holden and Elissa Weeden).
v. 2005. 4002-576 Remote Data Integration, new course.
w. 2005. 4002-575 Local Data Integration, new course.
x. 2004. 4002-830 Project Management, major rewrite of course.
y. 2004. MS Software Development & Management Degree. With Diane Bills and Jeffrey Lasky, made major revisions to the degree curriculum in an effort to modernize the material and better align the structure with current needs.
z. 2003. XML Concentration for the MS IT degree. Worked with Liz Lawley and Tona Henderson to design and develop a new 4-course concentration.
aa. 2003. 4002-771 XML Programming, new course.
bb. 2003. 4002-819 Integration Technologies, major rewrite of course.
cc. 2002. 4002-460 Technology Transfer, major rewrite of course.
dd. 2002. 4002-455 Needs Assessment, major rewrite of course.
ee. 2002. 4002-210 Programming with Classes (C++), major rewrite of course.
ff. 2001. 4002-208 Introduction to Programming (C++), major rewrite of course.

M.S. Capstones/Theses
  a. *Advisor*
      i. 2017. Nicodemus, M. Thesis: Information-Based Neighborhood Modeling. RIT.
      ii. 2016. Martinez, J. Capstone: Thicker Descriptions: Augmenting Usability Assessments with Emotion Measurements. RIT.

iii. 2015. Dhuri, S. Capstone: Usability of Web content Management System. RIT.

iv. 2014. Samant, A. Capstone: Information Visualization for Medical Data. RIT.

v. 2013. Daley, C. Capstone: An Accounting Informatics Dashboard Solution for the Small Business Owner. RIT.

vi. 2013. Kelly, D. Capstone: Extensible Implementation of Knowledge Discovery in High School Student Academic Performance. RIT.

vii. 2013. Williams, R. Capstone: Identifying Triggers that Affect Student Climate at RIT. RIT.

viii. 2012. Kathpal, P. Capstone: XML Mapping Layer for data extraction from heterogeneous data sources. RIT.

ix. 2012. Sims, S. Capstone: Exit Polling System. RIT.

x. 2012. Tewatia, S. Capstone: A New Approach for Managing Information - The Threaded Engram Database. RIT.

xi. 2011. Mehta, S. Thesis: An Analysis of the Implementation-Potential of the Threaded Engram Database Model. RIT.

xii. 2011. Paul, B. Capstone: Multiple User-Interface Face-detection and Recognition System (MIFRS). RIT.

xiii. 2011. Serikbayeva, K. Capstone: Introduction to Informatics Course for Upper Level High School Students. RIT.

xiv. 2010. Aitileu, B. Capstone: Web Service Based Accounting System. RIT.

xv. 2010. Marranca, R. Capstone: Home Automation Through Facebook. RIT.

xvi. 2009. Bangera, V. Capstone: Comparing Web Services Performance. RIT.

xvii. 2009. Capperell, S. Capstone: ERD to DDL Conversion Tool. RIT.

xviii. 2009. Panitzke, Z. Capstone: Red Cross Auction Manager. RIT.

xix. 2008. Garcia-Pena, W. Capstone: Chameleon: A Web Service Based Accounting System. RIT.

xx. 2008. Godoy-Sierra, J. Capstone: Tournament Manager for the Honduras National Table Tenis Federation. RIT.

xxi. 2008. Ranganathan, L. Capstone: Design and Implementation of a Intuitive GUI for a Web-services-based Accounting System. RIT.

xxii. 2008. Salgado, D. Capstone: Grocery Assistant. RIT.

xxiii. 2008. Weisberg, B. Capstone: An ArcGIS Server Based Web-Application for Analyzing Environmental Costs of Transportation. RIT.

xxiv. 2007. Amin, A. Capstone: SOA - Based Reservation System. RIT.

xxv. 2007. Ketha, S. Capstone: Multimodal Freight Transportation-Decision Support System. RIT.

xxvi. 2006. Beard, B. Capstone: Web-based Volunteer Management System. RIT.

xxvii. 2006. Cheema, M. Capstone: MySQL Database Reporting using Java & XML. RIT.

xxviii. 2006. Rinella, E. Capstone: RIT Parking Services: Real-Time Data Collection with Mobile Computing and Web Services. RIT.

xxix. 2006. Sanghavi, N. Capstone: Distributed Contact Management System for Palm Pilot using Web Services. RIT.

xxx. 2006. Taneja, S. Capstone: Inter-platform Calendar Extension. RIT.

xxxi. 2005. Malhotra, N. Thesis: A Six-Sigma & CMM Hybrid Approach to Software Develement Process Improvement. RIT.

xxxii. 2005. Rosenquist, L. Capstone: PDA Punch List. RIT.

xxxiii. 2005. Yoas, D. Capstone: A Study in Loosely Coupled Systems Applied to Web Services. RIT.

xxxiv. 2004. Dhavalikar, C. Feasibility of Migrating Java Applications to C# Using the java Language Conversion Assistant (JLCA). RIT.

xxxv. 2004. Rodriguez, J. Atomic Transactions with Web Services. RIT.

xxxvi. 2003. Chang, C. A Web-based Software Component Management Applications for Software Development Teams. RIT.

b. *Committee Member*

i. 2016. Walters, E. Capstone: The Effectiveness of Interactive Technology in a Museum Setting. RIT.

ii. 2015. Felder, A. Capstone: Windows Network Information Collector. RIT.

iii. 2015. Joseph, E. Capstone: E-Governance to Transform Public Administration in Haiti. RIT.

iv. 2013. Morgan, D. Capstone: Geographic Tracking in a Temporal Space. RIT.

v. 2012. Williams, K. Capstone: Web Server Security Scanning. RIT.

vi. 2010. Kinnen, N. Capstone: CSS Illuminated: Web Application for CSS Layouts. RIT.

vii. 2010. May, S. Capstone: louiesonline.com: A Web-based Menu Management Solution for the Food and Beverage Industry. RIT.

viii. 2010. Uzishize, R. Capstone: FLI Compliant Online Career Counseling Service. RIT.

ix. 2009. Scanzano, H. Capstone: Change Request Management and Tracking. RIT.

x. 2009. Sharma, U. Capstone: WebGIFT- Geospatial Intermodal Freight Transportaiton Model on the Web. RIT.

xi. 2009. Walter, M. Capstone: WebGift:A Geospatial Intermodal Freight Transportation Model on the Web. Using ArcGIS Server & ArcSDE to Implement a System for Transportation Policy Analysis. RIT.

xii. 2008. Lo, L. Capstone: Integrated Resource-Management-Based Staffing Database Tool. RIT.

xiii. 2006. Deng, J. Capstone: Web application security - An SQL query watchdog to prevent SQL injection attacks. RIT.

xiv. 2006. Coggeshall, D. Capstone: A Vertically Based Schema from a Horizontally Based. RIT.

      xv.   2006. Zhesnik, Y. Capstone: The Project Management of PersonalTrainingPartner.com. RIT.

      xvi.   2005. Ruganis, P. Thesis: Data Limitations Can Be Overcome to Achieve Effective Business System Integration. RIT.

      xvii. 2004. Wang, S. Capstone: Disparate Database Transaction Processing. RIT.

      xviii. 2003. Brennan, G. Thesis: The US-M Business market: Fad or Future. RIT.

      xix.   2003. Hsieh, T. Online Software for Rental Apartment System. RIT.

      xx.   2003. Kiattichawanasawee, C. Capstone: Message-Oriented Middleware (MOM): An Essential Module for Enterprise Application Integration (EAI). RIT.

      xxi.   2003. MacLennan, K. Integrated Quotations. RIT.

Unfunded grant proposals for teaching-related activities
a. 2012. PI**, $**476,000, NSF. "CER: Encouraging STEM Studies with Informatics".
b. 2011. PI, $9,000, Google Rise Awards. "Teenformatics Boot Camp".
c. 2011. PI, $314,000, NSF. "Using Informatics to Make STEM Real for High School Students".
d. 2011. PI, $25,000, National Collegiate Inventors and Innovators Alliance (NCIIA). "Developing a Hybrid Undergraduate Course that Merges Scholarly and Applied Research in a Lab Environment".

Scholarship
Publications - Peer Reviewed (Journals)
a. Friedel, V., **Zilora, S.**, Bogaard, D., Casey, J., Pichichero, M. "Five-year prospective study of pediatric acute otitis media in Rochester, NY: modeling analysis of the risk of pneumococcal colonization in the nasopharynx and infection", *Journal of Epidemiology and Infection*, December, 2013.
b. Winebrake, J., Corbett, J., Falzarano, A., Hawker, S., Korfmacher, K., Ketha, S., **Zilora, S**. "Assessing Energy, Environmental, and Economic Tradeoffs in Intermodal Freight Transportation," *Journal of the Air and Waste Management Association*, 58(8), August, 2008.
c. **Zilora S**. and Ketha, S. "Think Inside the Box! Optimizing Web Service Performance, Today", *IEEE Communications*, March 2008.

Publications - Peer Reviewed (Conference papers)
a. French, B., Bogaard, D., **Zilora, S**. "Shaping a Wearable and Ubiquitous Computing Curriculum", ACM SIGITE'17, Rochester, NY, 10/2017.
b. Davis, H. **Zilora, S.** "A Tale of Two Capstones", ACM SIGITE'16, Boston, MA, 10/2016.
c. Morgan, D., **Zilora, S.**, Bogaard, D. "urHL7: An HL7 Parsing and Manipulation Library", IEEE Healthcom'15, Boston, MA 10/2015.
d. **Zilora, S.**, "Industry-Emulated Projects in the Classroom", ACM SIGITE'15, Chicago, IL, 10/2015.

e. **Zilora, S.**, Leone, J. "A Mature Approach to Assessment", ASEE Annual Conference, Indianapolis, IN, 6/2014.
f. **Zilora S.**, Bogaard, D., Leone, J. "The Changing Face of Information Technology", ACM SIGITE'13, Orlando, FL, 10/2013.
g. **Zilora S.** "Informatics Minor for Non-Computer Students", ACM SIGITE'11, West Point, NY, 10/2011.
h. **Zilora S.** "STEM Collaboration Cubed", ASEE/IEEE Frontiers in Education Conference 2011, Rapid City, South Dakota, 10/2011.
i. **Zilora S.** "STEM Integration with Informatics", Integrated STEM Education Conference, Ewing, NJ, 4/2011.
j. **Zilora S.** "Preparing High School Students for College with Informatics", ASEE Northeast Section Conference 2010, Boston, MA, 5/2010.
k. **Zilora S.** and Bogaard, D. "Bringing Sanity to the Course Assignment Process", ASEE/IEEE Frontiers in Education Conference 2008, Saratoga Springs, NY, 10/2008.
l. **Zilora S.** and Starenko, M. "A Topiary Approach to Distance Learning", SITE 2008, Las Vegas, NV, 3/2008.
m. Winebrake, J., Falzarano, A., Hawker, S., Korfmacher, K., **Zilora, S.**, Ketha, S., Corbett, J. "Minimizing Energy and Environmental Impacts of Intermodal Freight Transport: Development and Application of a Geospatial Routing Tool", Transportation Research Board 87th Annual Meeting, Washington D.C., 1/2008.
n. **Zilora S.** and Hermsen L. "Take a WAC at Writing in Your Course", ACM SIGITE'07, Destin, FL, 10/2007.
o. Winebrake J., Hawker S., Corbett J., Falzarano A., Ketha S., Korfmacher K., **Zilora S.** "A Geospatial Intermodal Freight Transport Model for Energy & Environmental Analyses", Transportation Land Use, Planning, and Air Quality 2007, Orlando, Fl, 7/2007.
p. Falzarano A., Ketha S., Hawker S., Winebrake J., Corbett J., Korfmacher K., **Zilora S.** "Development of an Intermodal Network for Freight Transportation Analysis", 2007 ESRI International User Conference, San Diego, CA, 6/2007.
q. Hawker S., Korfmacher K., Winebrake J., Falzarano A., Ketha S., **Zilora S.** "Intermodal Transportation Network Custom Evaluators for Environmental Policy Analysis", 2007 ESRI International User Conference, San Diego, CA, 6/2007.
r. **Zilora S.** and Beaton, C. "Course, Interrupted!", ASEE/IEEE Frontiers in Education Conference 2006, San Diego, CA, 10/2006.
s. **Zilora S.** and Bogaard D. "Dynamic-Vector Collaborative Learning Tool", E-Learn World Conference 2005, Vancouver, BC, 10/2005.
t. **Zilora S.** "Industry-Based Web Services Project as a Classroom Teaching Tool", ACM SIGITE'04, Salt Lake City, Utah, 10/2004.
u. Coleman D., and **Zilora S.** "Dynamic Enterprises Demand Advanced Curricula in Software Development & Management", CITC 4, Purdue University, 10/2003.

Publications - Not Peer Reviewed
   a. **Zilora S.**, Kothari K., Babar P. "Threaded Engram Database". Center for Emerging & Innovative Sciences Collaborative Innovation Research Program, 4/2016.

Invited Talks
   a. Mason, S., **Zilora S.** "AdvanceRIT, Advocates and Allies". 3rd Annual Women in STEM Summit, University of Buffalo, 4/17.
   b. **Zilora S.** "Assessment Done Globally". *Reflect and Renew: Making a Difference with Program – Level Assessment.* Rochester Institute of Technology, 1/17.

Grants
   a. 2016. PI, $15,000, RRHS. Daily Safety Check System.
   b. 2012. PI, $16,000, Sub-award to RGH Immune Responses in Otitis Prone Children.
   c. 2011. PI, $18,000, Sub-award to RGH Acute Otitis Media Database Project.
   d. 2010. PI, $16,000, Sub-award to RGH NTHi Immunity in Young Children.
   e. 2007. Co-PI, $9,000, PLIG, "Principle to Principled Practice: Faculty Seminar for Writing-to-Learn".
   f. 2007. Supporting Personnel, $30,000, Great Lakes Maritime Research Institute, Principle to Principled Practice: Faculty Seminar for Writing-to-Learn.
   g. 2007. Supporting Personnel, $14,000, RIT First-In-Class funding, GIFT—Geographic Intermodal Freight Transport.

Works of art
Software systems
   a. 2016. Conference Submission Management System. With Dan Bogaard, developed a new system for managing the submission and review of conference papers, posters, and proposals. System is currently in use by ACM SIGITE for their 2016 annual conference. Professor Bogaard developed the user interface and all associated code; I managed the project and developed the database and all server code.

   b. 2016. Daily Safety Check. With Dan Bogaard and working with RIT/RRHS Alliance senior personnel, developed a pilot system for supporting the Daily Safety Check process in use throughout the Rochester Regional Health System. The systems replaces a complex set of spreadsheets that were stored locally and did not provide the ability to easily analyse system-wide data. Professor Bogaard developed the user interface and all associated code; I managed the project and developed the database and all server code.

   c. 2010. Clinical Research Support System. With Dan Bogaard and funded by an NIH grant, developed a system for supporting the clinical research activities

for Dr. Michael Pichichero's Acute Otitis Media team at Rochester General Hospital. It is believed to be a one-of-a-kind system, providing collection, storage, and analytical support for clinical and laboratory data in a federally compliant system. Professor Bogaard developed the user interface and all associated code; I managed the project and developed the database and all server code.

    d. 2003. Course Assignment and Request System. Developed this web-based system to manage faculty teaching assignments. In 2008, the system was rewritten with help from Professor Bogaard and put into use throughout the Golisano College of Computing and Information Sciences.

Other
Litigation Work
    a. 2009. Vandermark v. Dwyer et al. Martin & Iati LLP. Disposition: Closed.
    b. 2006. Undisclosed litigants. Baniak, Pine & Gannon. Disposition: Closed
    c. 1997. Wisdom Systems, Inc. v. TechnoSoft, Inc. Frost & Jacobs. Disposition: Settled out of court.

Service
RIT Service
    a. 2016 – present. Chair, Resource Allocation and Budget Committee.
    b. 2016 – present. Member, RIT Croatia Associate Dean Search Committee.
    c. 2016 – present. Member, Global Operations Task Force.
    d. 2015 – present. Member, Provost's Council of Chairs Steering Committee.
    e. 2015 – present. Member, Provost's Faculty Development Advisory Committee.
    f. 2012 – present. Chair, Information Sciences and Technologies Department.
    g. 2009 – present. Member, Institute Eisenhart Committee.
    h. 2014 – 2016. Member, Resource Allocation and Budget Committee.
    i. 2010 – 2016. Advisor, RIT Chapter of National Society of Collegiate Scholars.
    j. 2015. Chair, GCCIS Interim Dean Search Committee.
    k. 2014. Reviewer, Advance Connect Grant.
    l. 2010 – 2013. Director, Applied Informatics Minor.
    m. 2012. Member, Provost's Advising Model Committee.
    n. 2012. Member, GCCIS Advising Model Committee.
    o. 2010 – 2012. Member, GCCIS Governance Committee.
    p. 2009 – 2010. Outside Member, COLA Tenure Committee.
    q. 2009. Member, Provost's RIT Honors Program Task Force.
    r. 2007 – 2009. Member, Department Graduate Curriculum Committee
    s. 2006 – 2009. Member, Institute Writing Committee.
    t. 2004 – 2009. Chair, Department Online Presence Committee.
    u. 2006 – 2009. College Advocate, RIT Honors Program.
    v. 2002 – 2007, Coordinator for MS Software Development and Management degree program.
    w. 2006. Member, Medical Informatics Advisory Board.

x. 2004 – 2006. Department Advocate, RIT Honors Program.
y. 2002 – 2004. Chair, Department Facilities Committee.

Professional Service
a. 2016 – present. Conference Chair for SIGITE/RIIT 2017.
b. 2016. Program Chair for SIGITE/RIIT 2016.
c. 2015 – present. Chair, SIGITE.
d. 2013 – present. Reviewer, SIGITE annual conference.
e. 2013 – present. Reviewer, SIGCSE annual conference.
f. 2012 – present. Reviewer, ASEE annual conference.
g. 2015. Sponsorship Chair, SIGITE.RIIT 2015.
h. 2013 – 2015 Co-Editor-in-Chief, Transactions on Information Technology Research.
i. 2014. Program reviewer for Genesee Community College.
j. 2012 - 2013. Co-Webmaster (with Dan Bogaard) SIGCSE Annual Conference.
k. 2011. Reviewer, ASEE/IEEE Frontiers in Education Conference.
l. 2007. Reviewer, *Introduction to Programming with Java: A Problem Solving Approach*, Dean, McGrawHill.
m. 2002. Reviewer, FIPSE (Fund for Improvement of PostSecondary Education).

Other
a. 2005. Design and development (with Dan Bogaard) of JeopRITdy, a Jeopardy-like web application for use in a classroom for student review of material.
b. 2005. Design and development (with Dan Bogaard) of a web-based committee voting facility used by the Information Technologies and Sciences Department for election of faculty to department committees.

Current Professional Memberships
a. Association of Computing Machinery
   - Member, 2002 – present
   - Member, SIGITE, 2010 – present
   - Member, SIGApp, 2002 – 2010
b. Digital Rochester
   - Member, 2000 – present
c. Project Management Institute
   - Member, 2004 – present
d. Visual Developers of Upstate New York
   - Member, 1999 – present

Past Professional Memberships
a. American Institute of Chemical Engineers
   - Member, 1980 – 2004
   - Member, Computing and Systems Technology Division, 1984 – 2004
   - Officer of Rochester Section, 1992 – 1997
b. American Society of Engineering Education

- Member, 2006 – 2015

Board Positions
a. Creative Scanning Solutions, Inc.
   - Director, 1989 – present
b. Triad Networking Technologies, Inc.
   - Director, 2002 – present
c. Penfield Central Schools Board of Education
   - Member – July, 2006 – March, 2013
   - President 2008-2010
d. Monroe County School Boards Association Labor Relations Committee
   - Member – July, 2012 – March, 2013
e. Monroe County School Boards Association Communications Committee
   - Member – July, 2010 – March, 2013
f. Monroe County School Boards Association Legislative Committee
   - Member – July, 2011 – June, 2012

Professional Development
a. 2016. Camtasia Training, RIT Teaching and Learning Services.
b. 2016. "Designing Online Courses", RIT Teaching and Learning Services.
c. 2016. "Teaching Online", RIT Teaching and Learning Services.
d. 2016. Pascal Metrics Workshop, RRHS.
e. 2016. NSF AdvanceRIT Advocates Facilitation, RIT.
f. 2016. NSF AdvanceRIT Advocates and Allies, RIT.
g. 2016. NSF AdvanceRIT: "The Fence", RIT.
h. 2013-2016. "Cracking the Code on Healthcare", NorthStar Network.
i. 2015. Leading Agile Projects, Digital Rochester, Rochester NY.
j. 2015. 21CFR11 Training, Webinar by ComplianceOnline.
k. 2015. "Keys to Effective and Fair Faculty Evaluation", Wiley Learning Institute.
l. 2013-2015. PASS SQL Saturday, RIT.
m. 2014. Department Head and Dean SmartEvals Training, RIT.
n. 2014. NSF AdvanceRIT: "Navigating Departmental Politics", RIT.
o. 2014. SRATE Training, RIT.
p. 2014. "Software-Defined Networking Demystified", Webinar by Ziff Davis.
q. 2014. "Maximizing the Benefits of Peer Observation", RIT.
r. 2014. "Capitalizing on the Internet of Things", Webinar by ParStream, TransLattice and Treasure Data
s. 2013. "How Competency Education Is Changing Higher Ed", Webinar by Inside Higher Ed
t. 2013. LOA Training, RIT.
u. 2013. WISELI Faculty Search Process Workshop, RIT.
v. 2013. Academic Chairpersons Conference, San Antonio, TX
w. 2013. "More female students in just one year", WomenTech Educators Webinar

x. 2013. Staff Evaluation training, RIT.
y. 2013. Early Alert Training, RIT.
z. 2013. Bias Training, RIT.
aa. 2012. Department Chair Peer Mentoring, RIT.
bb. 2012. Compliance 101 training, RIT.
cc. 2012. "ODBC: 20 Years of Innovation That Empowers Today's Big Data Enterprises", Webinar by Progress DataDirect