

## CURRICULUM VITAE

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### EDUCATION

Ph.D. Computer Science, May 1990, North Dakota State University, Fargo, North Dakota.

MS. Computer Science, May 1986, North Dakota State University, Fargo, North Dakota.

BS. Computer Science, & BS. Mathematics (Double Major), March 1983, Moorhead State University, Moorhead, Minnesota.

### WORK EXPERIENCE

#### **AUGUST 1999 TO PRESENT:**

Professor and Chair, University of West Georgia, Carrollton, Georgia ([www.cs.westga.edu](http://www.cs.westga.edu)).

#### **Program Development, Accreditation, and Assessment: Creating and Reflecting.**

As soon as I arrived to campus, I listened to a multitude of constituencies with varied interests and agendas. With the support of the faculty, I initiated a comprehensive assessment effort of the department and its operations. The assessment effort included a complete review of the curriculum, department's resources, as well as a compilation of faculty's needs. Based on this assessment, goals were identified and subsequently a plan was created to achieve these goals. One of the first goals to be achieved was an extensive revision of the undergraduate curriculum in order to comply with national standards for computer science and to meet the requirements of ABET accreditation. In 2002, we created and launched the Master of Science program in Applied Computer Science. In 2006, we introduced four graduate certificates in computing to complement our Master of Science program. These certificates are in Human-Centric Computing, Software Development, Web Technologies, and System and Network Administration. In support of the mission of the department, we created a comprehensive curriculum assessment plan to assist us in improving teaching and learning ([www.cs.westga.edu/Assessment](http://www.cs.westga.edu/Assessment)). We created an online assessment tool to streamline assessment data collection and analysis, COMPASS ([compass.cs.westga.edu](http://compass.cs.westga.edu)), and adopted the use of a course management system ([courses.cs.westga.edu](http://courses.cs.westga.edu)) to complement our efforts. Additionally, in order to keep abreast of market trends and needs, we formed an industry advisory council composed of some local information technology companies ([www.cs.westga.edu/Assessment/IndustryAdvisoryCouncil](http://www.cs.westga.edu/Assessment/IndustryAdvisoryCouncil)). The Industry

Advisory Council fosters interaction between the Department and local companies in areas of common interests. Currently, we are in the process of expanding our contributions to include online educational opportunities in selective areas as well as investigating interdisciplinary collaborations. As a result of our efforts, the computer science program received ABET accreditation in 2002, we successfully participated in the 2003 SACS institutional reaffirmation of accreditation efforts, and in 2008 ABET accreditation was reaffirmed. Today, we reflect on our progress and accomplishments as we continue to revise our plan and work toward achieving our evolving and emerging collective goals, which grow out of our ongoing assessment and the changing demographics of the UWG student body and institutional mission.

### **Faculty Matters: Faculty Diversity, Recruitment, & Retention in a Dynamic & Competitive Marketplace.**

In order to recruit and retain highly qualified and diverse Faculty, we needed to be competitive with similar institutions in our region. We needed to make competitive offers as well as provide a supportive environment. Thus, it was imperative to identify faculty recruitment and retention goals, and develop a long-term plan with clear milestones toward achieving these goals. The plan also included goals to enhance our facilities and technology infrastructure to support faculty's teaching and research needs. Critical to the plan's success was the identification of institutional commitments, competitive offers were a central part of the institutional commitment that I had to achieve in order to recruit highly qualified faculty. In order to make the case for competitive offers, I collected regional, state, and national market data and trends in faculty recruitment. Additionally, I produced clear milestones of Department's responsibilities and accomplishments, and I presented the Department's case to the leadership. Through these efforts, I was successful in achieving a 65% increase in initial offers compared to the proceeding year, which made it possible for the Department to be competitive in the marketplace. I have also instituted an outstanding teacher of the year award program to recognize exceptional teaching at both the undergraduate and graduate levels (we also have similar awards for Student Assistants and Graduate Research Assistants). Today, the department has a diverse, collegial, dedicated, and exceptional faculty. The faculty appreciates the department's culture and supports its mission. Notably, the department has the highest percentage of women faculty of any ABET-accredited computer science program in the University System of Georgia.

### **Governance, Infrastructure, and Support: Building and Sustaining the Department.**

Faculty leadership is the most critical factor in the success of academic institutions. During my first year at UWG, I led the computer science Faculty to develop a governance structure for shared governance and faculty leadership. Beside an articulated set of by-laws, we developed criteria for

promotion and tenure to ensure a consistent and unbiased application of departmental standards to the evaluation of faculty. In order to support teaching and research, we built a cutting-edge technology infrastructure and identified a reliable source of support. As a contrast and as a measure of achievement, when I arrived to campus, the Department had one shared laboratory of sixteen workstations that barely met the basic needs of teaching introductory computer science courses, and had no technology infrastructure or technical staff to support the faculty's teaching and research needs. Today, the Department oversees 200 workstations distributed over seven specialized teaching studios and laboratories, and technical staff who support teaching and research. These crucial gains have enhanced our ability to engage in opportunities to support and sustain the Department's mission. As an example, during the Fall 2008 semester, the Department generated half the e-tuition and laboratory fees for the entire campus. Consequently, faculty enjoy enhanced opportunities to seek and engage in activities to support and promote their research and teaching interests.

### **Retention, Progression, and Graduation (RPG): Efforts to Improve RPG Rates.**

Generally speaking, national RPG rates in computer science are very low. In order to help students in our programs succeed, we embarked on numerous efforts to improve our RPG rates. Among these efforts, we revised our introductory courses to help students acquire the skills and knowledge needed for success in subsequent courses. We also assigned our most seasoned and senior faculty to teach these introductory courses. We created a tutoring and mentoring center, csX – computer science eXperience ([csx.cs.westga.edu](http://csx.cs.westga.edu)), to provide students with academic support outside the classroom. csX provides face-to-face tutoring as well as online teletutoring for students enrolled in computer science courses. In order to provide mentoring of under-represented groups, we created CSWoW (Computer Science Women of West Georgia- [wow.cs.westga.edu](http://wow.cs.westga.edu)). CSWoW supports women who are studying and/or interested in computer science. In 2000, we founded the Delta Chapter of Upsilon Pi Epsilon (UPE is the honor society of computing- [upe.cs.westga.edu](http://upe.cs.westga.edu)). Outstanding computer science students are nominated and inducted to the UPE honor society. We also created a two-tier academic advising system. The advising system makes it possible to monitor students' academic progress and provide timely assistance to help students succeed. We also collect information from a multitude of sources to evaluate and make programmatic, and other, changes to improve RPG rates. As a result of these efforts, our RPG rates have nearly tripled over the past three years alone.

## **Beyond the Department: Being a Citizen of the College, Community, & Profession.**

In my role as a faculty and as a chair, I have participated and contributed to the college, institution, and beyond. I have participated in the institution's planning efforts as a member of the Arts & Sciences ad-hoc committee on planning ([masterplan.cs.westga.edu](http://masterplan.cs.westga.edu)). I also participated in the college's workload policy that was adopted by the vote of the faculty for inclusion in the college's by-laws ([adel.cs.westga.edu/aswl](http://adel.cs.westga.edu/aswl)). I chaired the committee that developed guidelines for the annual evaluation of chairs by the dean in order to provide timely feedback in regard to the chairs' performance ([adel.cs.westga.edu/chairevaluationbydean](http://adel.cs.westga.edu/chairevaluationbydean)). As a representative of the Department, I contributed to the initial efforts to support the Carroll Tomorrow Project. The Carroll Tomorrow Project is a regional economic development initiative supported by public and private funding. I routinely interact with a number of local and regional companies to facilitate cooperation in areas of common interest. These companies include: Delta Airlines; AirTran; Southwire; Greenway Medical; and Tanner Medical Center. I assisted the Latino United Community Center ([www.lucc.org](http://www.lucc.org)) in establishing a computer-tutoring laboratory. I routinely give invited talks to the League of Women Voters of Carroll County. I also serve as an ABET Program Evaluator where I visit and evaluate computer science programs throughout the US that seek accreditation. I have served on a number of review boards for computer science conferences where I referee and review articles for publications. Whenever I have the opportunity, I have vigorously and consistently sought to be a thoughtful and active citizen of the College, institution, community, and profession.

### **AUGUST 1991 TO AUGUST 1999:**

Assistant/Associate Professor (*Tenured earned ahead of time by exceptional performance in 1995-1996*), Western Illinois University, Macomb, Illinois.

- Taught several courses at the graduate and undergraduate levels, and directed students' research.
- Served in the role of the Deputy Chair of the Computer Science Department (1997-1999).
- Voted by students as the Outstanding Teacher of the Year in the department for five consecutive years.
- Voted by colleagues as Western Illinois University Outstanding Teacher of the year in 1995.
- Participated in successful AACSB and NCA accreditation preparations and visits.
- Participated in a semester-long internship in the college of education dean's office.
- Served as the Graduate Studies Coordinator and Advisor.
- Recruited over 100 graduate students.
- Served on departmental, college and university wide committees.

- Served on the Industry Advisory Council.
- Served as a member of the University Honor Faculty.
- Served as the faculty advisor of the ACM & UPE.

**AUGUST 1992 TO AUGUST 1993:**

Assistant Professor (Tenure Track), Saint Cloud State University (ABET Accredited Department), St. Cloud, Minnesota.

- Taught at the graduate & undergraduate levels.
- Served on departmental and university wide committees.
- Conducted research in computer science.
- Served as the faculty advisor for the student chapter of the ACM.
- Served on the Industry Advisory Council.
- Served on the Accreditation Committee for CSAB (the accrediting agency of computer science at the time).
- Taught a 12-semester hour course in software engineering that required an extensive industry involvement.
- Managed the budget for department's equipment & other needs for Faculty.

**DECEMBER 1987 TO JUNE 1990:**

Research Assistant, North Dakota State University, Fargo, North Dakota.

- Developed and maintained a neural network simulator (NNS) running on the National Science Foundation (NSF) Cray X-MP/48 and IBM 3090-200E supercomputers under an NSF Fellowship grant.
- Developed and maintained a neural network user interface (NNUI) running on the IBM-PC & Sun workstations.
- Conducted research on supercomputing as well as neural networks.
- Participated in writing grants to support research.

**SEPTEMBER 1986 TO SEPTEMBER 1987:**

Senior Software Engineer, Control Data Corporation, Plymouth, Minnesota.

- Designed and implemented a wide range of software for Supervisory Control and Data Acquisition System (SCADA) for large-scale energy management systems.
- Developed software functional & design specifications.
- Interacted with customers as well as consultants.
- Supervised three programmers as well as being a mentor to new employees.

**VARIOUS CONSULTING JOBS:**

I have also consulted for various companies dealing with the development of computer systems for various applications. My consulting work includes:

- Bankers Systems Inc.
- Florida Power & Lights.
- Clark & Associates ([www.masterclock.com](http://www.masterclock.com)).

## **PUBLICATIONS & PRESENTATIONS**

Additional information may be found via Google Scholar ([scholar.google.com](http://scholar.google.com)) and/or Association of Computing Machinery Digital Library ([www.acm.org/dl.cfm](http://www.acm.org/dl.cfm)).

Bailie, F., Abunawass, A., Marion, B., St. Clair, C., & Whitfield, D. (Submission under review). Generalized Assessment Plan for CS. *Annual ACM SIGCSE Conference (SIGCSE 2009)*, Chattanooga, TN.

Abunawass, A., Bailie, F., & Whitfield, D. (October 2008). Student outcomes assessment: what is it? How do you make it work for you? *Proceedings of the 24<sup>th</sup> Annual Consortium for Computing Sciences in Colleges- Eastern Region (CCSCE 2008)*. Fredrick, Maryland. [Workshop]

Abunawass, A., Bailie, F., & Whitfield, D. (June 2007). Assessment and its Role in Accreditation. *Proceedings of the International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS '07)*. Las Vegas, NV. 35-40.

Rudolph, E., & Abunawass, A. (October 2006). Cheap, Flexible, and Secure Remote File Sharing with Samba, OpenVPN, and Apache. *Proceedings of the ACM Mid Southeast Conference*, Gatlinburg, TN.

Bailie, F., Abunawass, A., Houle, B., & Witfield, D. Guidelines and suggestions for ABET accreditation. *Proceedings of the 21<sup>st</sup> Annual Consortium for Computing Sciences in Colleges, Easter Conference (CCSCEC '05)*, Iona College, New Rochelle, N.Y.

Lloyd, W., Abunawass, A., & Rudolph, E. (April 2005). Closing the Infinite Loop on Assessment with COMPASS. *Best Assessment processes VII Symposium*, Terre Haute, IN. [Workshop]

Abunawass, A., Lloyd, W., & Rudolph (June 2004), COMPASS: A CS Program Assessment Project, *Proceedings of the 9<sup>th</sup> Annual ACM SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE 2004)*, Leeds, England, UK.

Abunawass, A., Boucher-Owens, B., Baker, L., Domadaran, M., Whitfield, D., & Bailie, F. (April 2004): Approaches to Self-Assessment of Computer Science Departments and Programs. *Proceedings of the CCSC 2004 Conference*, Austin, Texas. [Panel Chaired by Abunawass, A.]

Abunawass, A., Boucher-Owens, B., Baker, L., Domadaran, M., Whitfield, D., & Bailie, F. (2004). Approaches to Self-Assessment of Computer Science Departments and Programs. *Journal of Computing Sciences in Colleges*. Vol. 19, No. 4, 264.

Bailie, F., Abunawass, A., & Whitfield, D. (October 2004): Assessment made easy. *Proceedings of the CCSEC 2004 Conference*, Biltmore, Maryland. [Workshop]

Abunawass, A., Lloyd, W., & Rudolph, E. (October 2004). *Our experience with online student feedback*. *Proceedings of the 2004 ACM Mid-Southeast Conference*, Gatlinburg, TN. [Presentation]

- Abunawass, A., Lloyd, W., & Rudolph, E. (October 2003). Computer Science Assessment Program. *Proceedings of the 2003 ACM Mid Southeast Conference*, Gatlinburg, TN.
- Abunawass, A., Lloyd, W., & Rudolph, E. (October 2003). Computer Science Assessment Program. *Proceedings of the ACM Mid Southeast Conference*, Gatlinburg, TN.[Presentation]
- Abunawass, A., Lloyd, W., & Rudolph, E. (October 2003). Moodle: A Simple and Intuitive Open-Source Course Management System. *Proceedings of the ACM Mid Southeast Conference*, Gatlinburg, TN.
- Abunawass, A., Simmons, S., Bowen, M. & Lloyd, W. (November, 1999). Current issues in recruiting and retention of computer science faculty: Are we in crisis? *Proceedings of the ACM Mid-Southeast Chapter Fall Conference '99*. [Panel Chaired by Abunawass, A.]
- Ault, K. Hainline, F. & Abunawass, A. (1999). Emerging issues in collective bargaining: Technological expectations for support staff. *Proceedings of the Emerging Issues in Business & Technology 1999 Conference*. 257-263.
- Abunawass, A. & Rosenberg, S. (1999). Distributed object oriented neural network simulator in JAVA: a research tool. *Proceedings of the International Conference on Artificial Intelligence IC-AI '99*. 513-516.
- Abunawass, A. Maskarinec, M. & Neumann, K. (1998). An integratable unit based computer science distance learning curriculum design for the ACM/IEEE curricula 1991. *Proceedings of the ACM SIGCSE/SIGCUE & CTI ITICSE '98 Conference*. 18-20.
- Abunawass, A., Neumann, K. & Maskarinec, M. (1998). Heuristics for the design of an effective distance learning curriculum. *Proceedings of IASTED International Conference on Computers & Advanced Technology in Education*. 69-72.
- Abunawass, A., Bhella, O., Ding, M., & Li, W. (1998). Fuzzy clustering improves convergence of the backpropagation algorithm. *Proceedings of the 1998 ACM Symposium on Applied Computing*. 277-281.
- Abunawass, A. M., Fisher, T. Neumann, K., Devolder, D., Schoenberger, A., & Misktanic, M. (November, 1997). Emerging Technologies Bring Distance Learning to your Doorstep. *Presented at the Emerging Issues in Business & Technology Conference*. Myrtle Beach, South Carolina.[Panel Chaired by Abunawass, A.]
- Abunawass, A. M., Fisher, T. Neumann, K., Devolder, D., Schoenberger, A., & Misktanic, M. (November, 1997). Assessment of Learning Technologies. *Presented at the Emerging Issues in Business & Technology Conference*. Myrtle Beach, South Carolina.[Panel Chaired by Abunawass, A.]
- Abunawass, A., Fisher, T., & Schoenberger, A. (1996). Software engineering: a year long capstone course. *Proceedings of the International Association of Management Conference Computer Science Track*. 98-102.
- Abunawass, A., Bowen, M., Fisher, T., Neumann, K., & Schoenberger (1996). Ethical issues in teaching computer science: a dialog. *Proceedings of the 29th Annual Small College Computing Symposium*. 70-73.

- Abunawass, A., Betten, M., & Schindler, T. (1996). Modeling labor-leisure choice of microeconomics theory using genetic algorithms. *Proceedings of the International Association of Management Conference Computer Science Track*. 64-69
- Abunawass, A., & Ding, M. (1996). An approach to fuzzy clustering of error signals in the backpropagation model. *Proceedings of the International Association of Management Conference Computer Science Track*. 49-52.
- Abunawass, A. M., Bowen, M., Fisher, T., Sheng, E. & Schoenberger, A. (November, 1996). Ethical issues in teaching computer science: A Dialog. *Presented at the ACM Southwestern Regional Conference*. Gatlinburg, Tennessee.[Panel Chaired by Abunawass, A.]
- Abunawass, A. M., & Sheng, E. (1996). On Current Trends of Computer Science Education. *Proceedings of the ACM Southeastern Regional Conference*.
- Peng, C., Abunawass, A., Leff, L., Flynn, R. (1995). Using genetic algorithms to layout pattern on material for the golf-bag industry. *Proceedings of the Conference on Expert Systems Applications & Artificial Intelligence- EXPERSYS-95*. 235-239.
- Gottwald, O., Soegiyono, H., Leff, L., Abunawass, A., Pomatto, D. (1995). The student worker scheduling system. *Proceedings of the Conference on Expert Systems Applications & Artificial Intelligence- EXPERSYS-95*. 293-298.
- Bowen, M., & Abunawass, A. M. (1995). Ethical issues in teaching computer science: perspectives & issues. *Proceedings of the ACM Southeastern Regional Conference*.
- Abunawass, A. M., Bowen, M., Fisher, T. & Neumann, K. (October, 1995). Ethical issues in teaching computer science. *Presented at the Midwest Computer Conference*. Loyola University, Chicago, Illinois.
- Abunawass, A. M. (1995). *Artificial Life*. *Proceedings of the 28th Annual Small College Computing Symposium*. 1-6.
- Fisher, T. G., & Abunawass, A. M. (1994). Computer Ethics: A Capstone Course. *Proceedings of the ACM Conference on Ethics in the Computer Age*, 74-75.
- Fisher, T. G., & Abunawass, A. M. (1994). Closed Labs: An effective approach to teaching semantics in CS1. *Proceedings of the 28th Annual Small College Computing Symposium*. 100-105.
- Abunawass, A. M., & Owen, C. B. (1994). A study of the effect and effectiveness of noise injection during network training. *Proceedings of the IEEE World Congress on Neural Networks Conference*.
- Abunawass, A. M., & Owen, C. B. (1994). A simulated annealing based backpropagation model improves the convergence rate of the network. *Proceedings of the IEEE World Congress on Neural Networks Conference*.
- Abunawass, A. M., & Fisher, T. G. (1993). Our experience in implementing closed laboratories in the computer science curriculum. *Proceedings of the 86th annual meeting of the Illinois State Academy of Science*. 47.
- Abunawass, A. M. (1994). How to get A-Life! *Proceedings of the 87th annual meeting of the Illinois State Academy of Science*. 41.

- Abunawass, A. M. (1994). Artificial Life: An introductory course. *Proceedings of the 8th Annual Midwest Computer Conference*. 68.
- Owen, C. B., & Abunawass, A. M. (1993). Application of simulated annealing to the backpropagation model improves convergence. *Proceedings of the SPIE conference on the Science of Artificial Neural Networks II*. 269-276.
- Fisher, T. G., & Abunawass, A. M. (1993). Incorporating closed laboratories in the computer science curriculum. *Proceedings of the 26th Small College Computing Symposium*, 78-86.
- Abunawass, A. M., & Owen, C. B. (1993). A stochastic approach to the backpropagation using simulated annealing. *Proceedings of the ICNN '93, IEEE International Conference on Neural Networks*, 124-128.
- Abunawass, A. M., & Owen, C. B. (1993). A statistical analysis of the effect of noise injection during neural network training. *Proceedings of the SPIE conference on the Science of Artificial Neural Networks II*. 362-371.
- Abunawass, A. M., & Fisher, G. T. (1993). An alternate second course in the artificial intelligence sequence. *Proceedings of the 26th Small College Computing Symposium*, 44-51.
- Abunawass, A. M. (1992). The negative transfer problem in neural networks. *Proceedings of the SPIE Conference on the Science of Artificial Neural Networks I*, 124-130.
- Abunawass, A. M. (1992). Biologically based machine learning paradigms: An introductory course. *Proceedings of the 24th ACM SIGCSE Technical Symposium on Computer Science Education*, 87-91.
- Maki, W. S., & Abunawass, A. M. (1991). A connectionist approach to conditional discriminations: Learning, short-term memory, and attention. In M. L. Commons, S. Grossberg, & J. E. R. Staddon (Eds.), *Quantitative analysis of behavior: Neural network models of conditioning and action* (pp. 241-278). Hillsdale, NJ: Lawrence Erlbaum Associates. [book chapter]
- Abunawass, A. M., Bukhres, O., Fisher, T. G., & Magel, K. (1991). A neural network software environment for research and education. *Proceedings of the 24th Annual Small College Computing Symposium*. 125-132.
- Abunawass, A. M. (1991). The negative transfer problem in neural networks: A solution. *Proceedings of the IEEE International Joint Conference on Neural Networks, 1*, 881-886.
- Abunawass, A. M., Bukhres, O., Fisher, T. G., & Magel, K. (1990). A first undergraduate course in neural networks. *Proceedings of the 21st ACM SIGCSE Technical Symposium*. 240-244.
- Abunawass, A. M., Bukhres, O., Fisher, T. G., & Magel, K. (1990). Neural computing in the computer science curriculum. *Proceedings of the 23rd Annual Small College Computing Symposium*. 229-235.
- Maki, W. S., & Abunawass, A. M. (1989). A neural network simulator for supercomputers. *Behavior Research Methods, Instruments, & Computers*, 2, 225-239.

- Abunawass, A. M., Juell, P., & Wasson, J. (1989). SEDES: Special Education Diagnostics Expert System. *Proceedings of the 22nd Annual Small College Computing Symposium*, 110.
- Abunawass, A. M., Fisher, T. G., & Magel, K. (1989). Knowledge Acquisition using Generalized Problem Domain (GPD). *Proceedings of the AAAI International Joint Conference on Artificial Intelligence Workshop on Knowledge Acquisition*, 33-36.
- Abunawass, A. M., Fisher, T. G., & Magel, K. (1989). GPD: Generalized Problem Domain. *Proceedings of the Annual Conference of the International Association of Knowledge Engineers (IAKE)*, 160-173.
- Abunawass, A. M., & Maki, W. S. (1989). Cumulative negative transfer during successive training: Analysis of a second sequential learning problem. *Proceedings of the IEEE International Joint Conference on Neural Networks*, 2, 623.

## **GRANTS**

- *Integrating the Sun Platform in the CS Curriculum*. Sun Microsystems Academic Equipment Grant, \$40,000. 8/2002- 8/2004.
- *Math Foundations in CS 1 & 2 for less Selective Institutions*. NSF CCLI-A&I Award No. DUE-0088204, \$45,000 for 8/2000-8/2003.
- *NTP Software Project*. W. Clark and Associates, Ltd. \$690 for 8/1994.
- Instructional Aid Grant for Cadre's Teamwork CASE tool. Cadre Technology Inc. \$226,000 for 9/92-9/93.
- *Application of simulated annealing to the backpropagation model to improve convergence*. Minnesota Supercomputing Institute, \$50,000 for 1/93-1/94.
- *Dynamic associability as a solution to the sequential learning problem in neural networks*. Northwest Academic Computing Consortium, WICHE. \$25,000 for 8/88-8/89.

## **COMMITTEES**

Served on several committees in several capacities at several institutions. This is a list of the most recent committee obligations:

### **DEPARTMENT:**

- Undergraduate Curriculum Committee
- Graduate Curriculum Committee
- Search and Selection Committee
- Service Courses Committee

### **COLLEGE:**

- Executive Committee
- Chair Evaluation Committee
- Master Planning Committee
- Summer School Policy Committee
- Judge of Eclectic

### **UNIVERSITY:**

- Technology Planning Committee

- Graduate Research Awards Committee
- Committee on Graduate Studies

### **PROFESSIONAL ORGANIZATIONS**

During my tenure in academe, I have served and participated in several professional organizations. This is a list of some of them:

- Program Evaluator *ABET*
- Chair of the *Illinois State Academy of Science* Computer Science Division (1994-1999)
- Member *Upsilon Pi Epsilon* (Computing Sciences Honor Society)
- Member *Association for Computing Machinery* (ACM)
- Member *Institute of Electric and Electronics Engineers* (IEEE)
- Member *American Association of University Professors* (AAUP)
- Reviewer for several national and international conferences (including: ACM SIGCSE, ITiCSE, WWW/Internet 2005, WEBIST 2005, etc.)