Summary

For the period July 1, 2003, through June 30, 2004, the resident faculty of the Computer Science Department included 19 full time faculty members (8 Professors, 5 Associate Professors, 5 Assistant Professors, 1 Temporary Assistant Professor), 1 Visiting Assistant Professor, and 1 part-time Instructor. Permanent professional persons associated with the department included 3 secretarial staff members, 3 technical support personnel, and one undergraduate advisor (only for half of the year).

As of Fall 2003, there were 117 graduate students enrolled in degree programs (48 in the doctoral program and 69 in the MS), and 313 declared undergraduate majors. Additionally, there were a total of 1608 seats offered in service courses, taken primarily by non-majors. During the past fiscal year, 2 students were awarded Ph.D. degrees and 23 graduated with the M.S. degree. Also, 52 bachelor's degrees were awarded and 5 students received the Certificate in Computing.

As a group, the faculty authored or co-authored 141 research articles and gave 32 presentations at professional meetings. Many of the faculty members have served on editorial boards of distinguished journals. Our faculty were PI, CO-PI, or contributors to 22 externally funded grants. The amount of the external funding totaled $4,517,944. Also, the faculty received 8 internal grants for the total amount of $160,592.

Dr. Kang Li was welcomed to our faculty in August 2003. Our recruiting efforts in 2003-2004 resulted in hiring Dr. Shelby Funk. Dr. Funk has completed her Ph.D. degree in Computer Science and will assume the position of Assistant Professor in August 2004. We will continue recruiting of two more faculty members in 2004-2005. Scott Watterson left the faculty in May 2004. Also, our two instructors left the University: Ellen Lether has retired in December, 2003, and Eraj Basnayake left the Department in August, 2003, to assume a faculty position at a college in Rochester, NY. Mary Helen Menken, our undergraduate advisor, left the department in December, 2003 to assume a position with the Athletics Department at UGA.

Major Accomplishments

External Research Funding

2003-2004 has been a very good year for the faculty of the Computer Science Department. A number of new sizeable grants were awarded to CS faculty. In total, eleven of our faculty members have held externally funded research grants as PIs or CO-PIs. For additional details, please see Appendix B, beginning on page 18.

Dr. Suchi Bhandarkar has continued his work on four externally sponsored grants: two from US Dept. of Agriculture, one from the University of Georgia and the Medical College of Georgia Joint Research Program.
Dr. Eileen Kraemer has started work on a new three year long NSF grant entitled *Program Visualization: Using Perceptual and Cognitive Concepts to Quantify Quality, Support Instruction, and Improve Interactions*.

Dr. David Lowenthal has received external funding from NSF for a new project: *HC-MPI: A System for Out-of-Core, Heterogeneous Data Distributions*. The project will last for three years. He has continued research on his NSF CAREER Award. Dr. Lowenthal also received an NSF REU Program grant.

Drs. David Lowenthal and R.W. Robinson have continued work as CO-PIs on a joint project on *ITR/ACS: Stochastic Summation of High-Order Feynman Graph Expansions* with the Physics Department (Dr. Bernd Schüttler, PI) which was funded by NSF.

Drs. David Lowenthal, Bhandarkar, Sheth, Li, as well as Scott Watterson received funding from the State of Georgia Yamacraw Research Program for their project *System-Level Techniques for Energy Aware Computing*.

Dr. Don Potter has continued his research on the project entitled *SAGA-3 Spray Advisor GA Parameter Setting Analysis*, supported by a grant from the USDA Forest Service.

Dr. Khaled Rasheed has continued his research (as a CO-PI) on a project entitled *Data Driven Design Optimization in Engineering Using Concurrent Integrated Experiment and Simulation*. The project has been funded by the National Science Foundation (the PI is Dr. Doyle Knight of Rutgers University).

Drs. Amit Sheth, Budak Arpinar, John Miller, and Krys Kochut have received a new grant from NSF for their project *SemDis: Discovering Complex Relationships in Semantic Web*. The project will last four years.

Drs. Amit Sheth, Budak Arpinar, and Krys Kochut have continued their work on the NSF project entitled *Semantic Association Identification and Knowledge Discovery for National Security Applications*.

Drs. Amit Sheth, Krys Kochut, and John Miller have started work on the NIH-sponsored project entitled *Bioinformatics of Glycan Expression*. This is a part of a large five year project ($6,700,000) originating from the Complex Carbohydrates Research Center (Dr. Michael Pierce, PI).

Drs. Amit Sheth and John Miller have received an *Eclipse Innovation Grant* from IBM.

**Scholarly Publishing**

The Computer Science faculty members have been very productive in publishing their research results. We have authored or co-authored 141 articles in 2003-2004, which is a significant increase from the previous year. They were published or submitted to high quality journals and conference proceedings. Our faculty gave 32 presentations at conferences, 11 of which were presented abroad. Also, we have given 3 keynote addresses and one invited talk. For the list of publications, please see Appendix C, beginning on page 21.
Conference Organization

Dr. Hamid Arabnia has organized the 2004 International MultiConference on Computer Science and Computer Engineering. The Conference will be held in June 2004, Las Vegas, Nevada. Dr. Arabnia has served as the General Chair of the MultiConference.

Drs. Amit Sheth, L. Usery, B. Arpinar, and X. Yao have organized a Homeland Security Workshop held in Amicalola Falls State Park, GA., in November 2003. They received a grant from USGIS for the organization of the workshop.

A. Strategic Planning

Computer Science Education

We have continued improving the undergraduate program in Computer Science. Our faculty have introduced one new undergraduate and 5 graduate courses to our curriculum.

Our graduate programs in Computer Science have grown in comparison to the 2002-2003 academic year. As of Fall 2003, there were 117 graduate students enrolled in graduate degree programs: 48 in the doctoral program and 69 in the MS program. We are especially happy that our Ph.D. program has grown considerably, increasing by almost 55% in comparison to its size in Fall, 2002.

Faculty Recruitment

Dr. Kang Li joined our faculty in the Fall, 2003. Dr. Li’s research interests concentrate in Computer Networks and Operating Systems, including network measurement, modeling, pricing, and security. Dr. Li is also interested in defending against network abuses, such as Denial-of-Service attacks and SPAM. During the 2003-2004 recruiting period, the department has hired Shelby Funk. Her expertise is in real-time systems and distributed computing. Both areas complement well the research interests of our current faculty.

The department has two more positions to be filled in the 2004-2005 academic year. This will bring the number of Ph.D. faculty to 21, fewer than the 24 projected in our 1999-2004 Strategic Plan. However, we should point out that the plan was created at the time of a rapid economic expansion in the US, but the recent downturn and associated budgetary difficulties have trimmed considerably the amount of funding dedicated to hiring new faculty.

Space

The department has continued to suffer from an insufficient amount of space, especially in view of the recently hired faculty with research interests in experimental Computer Science. The anticipated hires of the two faculty members in Fall 2005 will require additional lab space. An unwelcome implication of our current space allocation is that our faculty are now located in three different buildings (Boyd, Hardman, and Barrow), which is not a good situation for fostering cohesiveness among the faculty body.
B. Short-Term Goals for FY 2005

Program Review
During the 2003-2004 academic year, the UGA conducted the first Program Review and Assessment of the Computer Science Department. The Program Review Committee has determined Computer Science to be “an essential department in a comprehensive university because of its upstream position in the knowledge flow,” and that “Computer science research and teaching are important in themselves and in collaboration with other disciplines.” The Review has included a number of recommendations for strengthening the department and our academic programs. The Computer Science faculty will begin the process of addressing the recommendations. This is an important process, which will involve our entire faculty throughout the upcoming year.

Faculty Recruitment
The department has two positions to be filled in FY05. Our plan is to hire two high-quality faculty members, preferably in research areas complementing those of our current faculty. The specific areas in which the recruiting should be conducted will be determined during the upcoming departmental retreat. Also, we intend to hire a permanent instructor in place of the two instructors who left UGA in the past year.

Space
Both the quantity and quality of the space available to the Department is insufficient. The first recommendation included in the report of the CS Review Team was that Computer Science be housed in a single building, with access to suitable teaching facilities and sufficient lab space.

C. Effectiveness Assessment
The Computer Science Department is in the process of modifying its undergraduate assessment procedures. A committee composed of Drs. Dan Everett, Liming Cai, and Suchendra Bhandarkar has created a new Computer Science Undergraduate Assessment model. The model has been approved and the new procedures will be created in the upcoming year. Also, we intend to collect measurements and analyze the results.

D. Student Retention and Graduation Rates
As of Fall 2003, there were 314 declared undergraduate CS majors, 27 fewer than in Fall 2002. It appears that the decreasing trend has slowed down (there were 100 fewer students in Fall, 2002, as compared to Fall, 2001). This decreasing trend, typical of many Computer Science departments across the country, has been attributed to the worsened economic conditions in the United States and fewer jobs awaiting CS graduates. John Sargent wrote in Computer Research News that “A variety of factors are likely to have contributed to these job losses in the IT occupations, including: the dot-com bust; the end of work on Y2K; the terrorist attacks of September 11, 2001 and their related effect on the U.S. economy; a downturn in corporate IT spending; the brief 2001 recession; productivity increases; and the offshore outsourcing (offshoring) of IT work.”1 Citing the US Department of Labor’s Bureau

of Labor Statistics’ (BLS), he adds that the demand for IT workers will resume its growth, but at a slower pace than during the 1990-2000 period. He states that the number of jobs “in the professional IT occupations […] is expected to grow from 3.3 million to 4.4 million, adding a total of 1.15 million new jobs. This represents a projected annual growth rate of 3.1 percent, more than twice that of the overall U.S. annual job growth of 1.4 percent. BLS projects a total of 1.6 million job openings […] for the professional IT occupations during the ten-year period.”

Our graduate programs have continued to grow. As of Fall 2003, there were 117 students enrolled in graduate degree programs: 48 in the doctoral program and 69 in the MS program. Availability of funding for graduate students continues to be a very important factor in the overall health of the graduate program. In Fall 2003, 55 graduate students received financial support, as follows: Graduate Laboratory Assistants, 51%; Graduate Teaching Assistants (in charge of a course), 6%; Research Assistants supported by external funding, 36%; University Wide Assistantships, 7%. During the past fiscal year, 2 students were awarded Ph.D. degrees and 23 graduated with M.S.

In addition to graduate students and majors, the department taught several courses of a service nature, including CSCI 1100 (Introduction to Personal Computing), CSCI 1210 (Introduction to Computational Science), CSCI 1301 (Introduction to Computing and Programming). A total of 1,608 seats were offered in these courses.

E. Overall Status

The overall record of the faculty in instruction and research is very good. Similarly, our graduates are very well trained and are able to find quality employment. We have continued to provide quality education to a large number of students, both majors and non-majors. Moreover, this was possible without significant changes to teaching loads or class sizes and as a result, our research record has continued to improve both in scholarly publishing and in external research funding. We have added an excellent faculty member this year. At the same time, the loss of our two instructors presents a noticeable decrease in our capacity to teach lower-division courses. For a short period of time, we have been able to cover teaching of these courses with a few advanced graduate students. However, it is important that we find a permanent instructor to enhance our teaching capability at the introductory level.

We continue to believe that the professional environment for computer science at UGA is very good. The department looks forward to future opportunities to strengthen our research and instruction.

APPENDICES

Attached are detailed listings of professional activities, grants, publications, and presentations of the faculty during the past year.
A. PROFESSIONAL HONORS AND RECOGNITIONS

H. R. Arabnia


Member, Board of Advisors, The International Journal of Information Technology and Systems (Editor-in-Chief, Prof. David Rine, George Mason University), 2002 – present.

Program Committee Member, 41st Annual ACM Southeast Conference (ACM-SE'03), Armstrong Atlantic State Univ., Georgia, 2003.

NSF: Third-Year Site Visit and Renewal Review of the NSF Engineering Research Center: Center for Subsurface Sensing and Imaging and Sensing (CenSSIS), at Northeastern University, Boston University, Rensselaer Polytechnic Institute.

Field Reviewer for the Naval Research Laboratory (NRL) - Postdoctoral Fellowship Application Review. The American Society for Engineering Education (ASEE), 2004.


Member, Program Committee, 5th International Symposium on High-Performance Computing (ISHPC-V), Tokyo, Japan, October 2003.


The Learning Disabilities Center (LDC) selected Dr. Arabnia as a faculty member who has positively impacted the education of students with learning disabilities, October 2003.

**I. Budak Arpinar**

Member, IEEE Computer Society.

Member, ACM Sigmod.

Web Chair, IEEE International Conference on Electronic Commerce (CEC’03), June 2003, Newport Beach, CA.

Program Committee Member, 2nd International Semantic Web Conference, October 20-24, 2003, Sanibel-Captiva Island, FL.

Program Committee Member, IASTED International Conference on Information and Knowledge Sharing (IKS 2003), November 17-19, 2003, Scottsdale, AZ.


Program Committee Member, 11th Intl. Conference on Artificial Intelligence: Methodology, Systems, and Applications (AIMSA 2004).


Program Committee Member, 2004 IEEE/WIC/ACM International Conference on Web Intelligence, September 20-24, 2004, Beijing, China.


Reviewer, IEEE Internet Computing.


Reviewer, IEICE Transactions on Information and Systems.


Additional/External Reviewer of Major Database Conference and Journals including COOPIS, WWW, MIT Press Publications.

**S. M. Bhandarkar**

Associate Editor, International Journal of Applied Intelligence, November 1999 - present.

Program Committee Member, IEEE Computer Society Bioinformatics Conference (CSB 2004), Stanford University, Palo Alto, CA, August 2004.

Program Committee Member, European Conference on Parallel and Distributed Computing (EuroPar 2004), August 2004.

Program Committee Member, International Conference on Pattern Recognition (ICPR 2004), Cambridge, UK, August 2004.

Program Committee Member, International Conference on Parallel Processing, (ICPP 2004), Montreal, Quebec, August 2004.

Program Committee Member, IEEE Computer Society Bioinformatics Conference, Stanford University, CA, August 2003.

Program Committee Member, European Conference on Parallel and Distributed Computing (EuroPar 2003), August 2003.


Program Committee Member, Intl. Wkshp. High Performance Computational Biology (HiComb 2003), Nice, France, April 2003.


Member, Technical Committee on Pattern Analysis and Machine Intelligence, IEEE Computer Society, 1992-present.

Member, Association for Computing Machinery (ACM), 1990-present.

Member, International Society of Photo-optical and Instrumentation Engineers (SPIE), 1987-present.

Member, American Association for Artificial Intelligence (AAAI), 1985-present.

Member, Institute for Electrical and Electronic Engineering (IEEE), 1982-present.


Referee, National Science Foundation, 2000-2003.


L. Cai

Member of professional organizations: ACM, SIGACT, EATCS, (1992 -present).
Reviewer, Mathematical Reviews, 1998 -present.
Reviewer, SIAM Journal on Discrete Mathematics.
Reviewer, IEEE Transactions in Computer.
Reviewer, Information and Computation.
Reviewer, Journal of Automata, Languages, and Combinatorics.
Reviewer, Information Processing Letters.
Reviewer, Symposium on Theoretical Aspects of Computer Science.
Reviewer, International Conference on Computing and Information.
Reviewer, International Conference on Computing and Combinatorics.
Reviewer, Mathematical Foundations of Computer Science.

E. R. Canfield

Reviewer, Math Reviews.
Referee, Journal Combinatorial Theory, Series A and B.
Referee, American Mathematical Monthly.
Referee, National Science Foundation.
Member of the Association for Computing Machinery.
Editor, Electronic Journal of Combinatorics.

M. Hybinette

Member, Association for Computing Machinery.
Member, Institute of Electrical and Electronics Engineers.
Reviewer, International Parallel and Distributed Processing Symposium (IPDPS).
Reviewer, Workshop on Parallel and Distributed Simulation (PADS).
Reviewer, Hawaiian International Conference on System Science (HICSS).

K. J. Kochut

Member, Association for Computing Machinery.
Member, SIGMOD.
Member, SIGCOMM.
Reviewer, IEEE Transactions on Knowledge and Data Engineering.
Reviewer, Information Systems.

E. T. Kraemer

Program Committee Member, Workshop on Bio-Inspired Solutions to Parallel Processing Problems (BIOSP3), 2000 - 2003.
Software Area Chair, Technical Papers Committee, SC03 Conference (Supercomputing).
Program Committee Member, ACM Symposium on Software Visualization, 2003.
Member, Program Committee for SoftViz, 2003.
Referee, National Science Foundation, Advanced Computational Research Program.
Referee, IEEE Transactions on Software Engineering.
Referee, IEEE Transactions on Parallel and Distributed Systems.
Referee, Transactions on Software Engineering and Methodology.
Referee, Bioinformatics.
Referee, Software-Practice and Experience Cybernetics and Systems.

Kang Li
Reviewer, Multimedia Computing and Networking.
Reviewer, ACM Multimedia.
Reviewer, IEEE Transactions of Parallel and Distributed Computing.
Reviewer, NOSSDAV and IEEE Security and Privacy.

D. K. Lowenthal
Grant Review Panel Member, National Science Foundation, October 2003.
Program Committee Member, Workshop on High-Level Parallel Programming Models and Supportive Environments, 2002, 2003.
Member, ACM, 1992-present.
Member SIGPLAN, 1992-present.
Member, SIGOPS, 1992-present.
Member, IEEE.
Referee, International Parallel and Distributed Processing Symposium (IPDPS).
Referee, Computer Languages.
Referee, Architectural Support for Programming Languages and Operating Systems (ASPLOS).
**J. A. Miller**

Associate Editor, ACM Transactions on Modeling and Computer Simulation (TOMACS), 1999-present.

Associate Editor, IEEE Transactions on Systems, Man and Cybernetics (TSMC), 1999-present.

Program Committee Member, Annual Simulation Conference (ANNSS), 1992-present.

Referee, ACM Transactions on Modeling and Simulation.


**W. D. Potter**


Program Committee Member and Robotics Competition Chairman, International Conference on Artificial Intelligence (IC-AI’2003), Las Vegas, Nevada, June, 2003.


Regional Editor, International Journal of Hybrid Intelligent Systems, since 2003.

Associate Editor, Journal of Intelligent and Fuzzy Systems, since 2003.

Program Committee Member, International Conference on Artificial Intelligence (IC-AI’2004), Las Vegas, Nevada, June, 2004.


Program Committee Member and Robotics Competition Chairman, International Conference on Artificial Intelligence (IC-AI’2003), Las Vegas, Nevada, June, 2003.


Referee, IEEE Computer.
Referee, International Journal for Applied Intelligence.
Referee, Journal of Intelligent and Fuzzy Systems: JIFS.
Referee, Pattern Recognition Letters.

K. M. Rasheed

Member, Institute of Electrical and Electronics Engineers (IEEE).
Member, IEEE Computer Society.
Member, IEEE Neural Network Society.
Member, International Society for Genetic and Evolutionary Computation (ISGEC).
Member, American Association for Artificial Intelligence (AAAI).
Program committee member, The 1st European Workshop on Evolutionary Algorithms in Stochastic and Dynamic Environments.
Referee, Journal of Artificial Intelligence Research (JAIR).
Referee, Artificial Intelligence in Engineering Design and Manufacturing (AIEDAM).
Referee, International Association for Mathematics and Computers in Simulation (IMACS).
Referee, Machine Learning Journal (MLJ).
Referee, Applied Intelligence.
R. W. Robinson


Career Center Award for Contributing to the Career Development of Students, September 2003.

A. P. Sheth


Senior Member (2003), IEEE and IEEE Computer Society, including Technical Committee on Database Engineering, 1981 – present.

Member of the Editorial Board, International Journal of Intelligent and Cooperative Information Systems.


Member of the Editorial Board, Journal on Distributed and Parallel Databases, 1992 - present.

Associate Editor, SIGMOD Record, 1988 – present.

Member, Association for Computing Machinery, SIGMOD and other SIGs.

Member, IEEE Computer Society, including Technical Committee on Database Engineering.

Member of the Board and Founding Member, International Foundation on Cooperative Information Systems, 1996 – present.


Advisory Board, Coca-Cola Center for Marketing Studies, Terry College of Business, 2001 – present.

PC Member, 12th International Conference on Information and Knowledge Management (CIKM 2003), New Orleans, LA, November 2-8, 2003.


PC Member, IEEE Conference on E-Commerce (CDE03), Newport Beach, CA, June 24-27, 2003.


PC Member, IEEE International Conference on Web Services (ICWS 2004), San Diego, CA, July 6-9, 2004.


Program Committee Member for the 4th International Conference on Web Information Systems Engineering (WISE’03), Roma, December 10-12, 2003.

Program Committee Member, 2nd International Conference on Ontologies, DataBases, and Applications of Semantics for Large Scale Information Systems (ODBASE’03), Sicily, November 3-7 2003.

Program Committee Member, The 2003 IEEE/WIC International Conference on Intelligent Agent Technology (IAT 2003), Beijing, China, October 13-17, 2003.

Program Committee Member, 7th International Workshop CIA-2003 on Cooperative Information Agents, Helsinki, Finland, August 27 - 29, 2003.

Program Committee Member, the Workshop on Semantic Web and Databases, Berlin, Germany, September 13-14, 2004.

Program Committee Member, 7th International Workshop on Cooperative Information Agents (CIA 2003), Helsinki, Finland, August 27 – 29, 2003.

Referee, VLDB Journal.
Referee, National Science Foundation.
Referee, Research Council of Norway.
Referee, Information Systems.
Referee, Intelligent Information Systems.
Referee, Distributed and Parallel Databases.
Referee, Intelligent and Cooperative Information Systems.
Referee, Computer.
Referee, IEEE Transaction on Knowledge and Data Engineering.
Referee, Edited 3 Database Research Center Reports for *ACM SIGMOD Record* as Associate.
Referee, Edited 3 Media Reviews for IEEE Multimedia.

**J. W. Smith**

Member of IEEE

**T. R. Taha**

Member, Association of Computing Machinery (ACM).
Member, Society for Industrial and Applied Mathematics (SIAM).
Member, SIAM SEAS.
Member, International Association for Mathematics and Computers in Simulation (IMACS).
Member, SIAM Activity Group on Supercomputing.
Member, SIAM Activity Group on Computational Science.
Member, IMACS technical committee on Dynamical Systems and Nonlinear Science, 1992 - present.
Member, Institute of Electrical and Electronics Engineers (IEEE), Inc.
Referee, Computers and Mathematics with applications.
Referee, Mathematics and Computers in Simulation.
Referee, Numerical Mathematics for Partial Differential Equations.
Referee, Simulation: The Journal of the Society for Computer Simulation, Hong Kong.
Referee, Journal of Science and Technology/Sultan Qaboos University of Oman.
Referee, Derasat/Journal of Sciences, University of Jordan, Jordan.
Referee, Journal of Physics B: Molecular and Optical Physics.
Referee, Numerical Algorithms, C. Brezinski, Editor-in-Chief, France.
External reviewer, grant proposal submitted to the Sultan Qaboos University, Muscat, Oman.
External Reviewer, Board of Regents Support Fund (RCS proposals) for Fiscal Year 2002-03, Louisiana.
Member, Editorial Board of The International Arab Journal of Information Technology (IAJIT).

S. Watterson

Member, Association for Computing Machinery.
Member, ACM SIGMICRO.
Member, IEEE.
Referee, Micro-33.
Referee, Software Practice & Experience.
B. GRANTS AWARDED OR CURRENT

EXTERNALLY FUNDED GRANTS


Canfield, E.R. (PI), J.W. Smith and H.R. Arabnia, University of Georgia Yamacraw Program (2003-2004), Georgia Governor’s Office, $639,099, continued support for permanent/continued staff and faculty positions for the Department of Computer Science.


Lowenthal, David (PI), National Science Foundation Advanced Computational Research Program (ACR), "HC-MPI: A System for Out-of-Core, Heterogeneous Data Distributions", $150,000, July 1, 2003 – June 2005 (additionally, $6000 on an REU supplement).


Knight, Doyle (PI), Khaled Rasheed (Co-PI) and 3 other Co-PIs, National Science Foundation (NSF), “Data Driven Design Optimization in Engineering Using Concurrent Integrated Experiment and Simulation,” $1,200,000, 2001-2004 (UGA's portion $137,295).

Schuttler, Bernd (PI), David Lowenthal, Bob Robinson, and Jem Corcoran, (Co-PIs), National Science Foundation Information Technology Research Program, “ITR/ACS: Stochastic Summation of High-Order Feynman Graph Expansions”, September 2000-August 2003, $487,000. (CS portion – approximately $236,195)


Sheth, A., donations from various sources to support research activities in the LSDIS Lab at the University of Georgia, current funding, $85,097.

INTERNALLY FUNDED GRANTS


Taha, Thiab, Research Foundation of the University of Georgia, Foreign Travel grant approved for the amount of $1,730 to give a Keynote speech and chair a session at the 2003 Arab Conference on Information Technology (ACIT’03), December 20-23, 2003, Alexandria, Egypt.

Taha, Thiab, University of Georgia Provost’s Office, International Travel grant for a partnership in Jordan, $1,000, 2004.
C. FACULTY PUBLICATIONS AND PRESENTATIONS

PUBLISHED ARTICLES AND CHAPTERS IN BOOKS: (senior author listed first)


13. H. R. Arabnia, TechnoTimes, contributed an article (2003.)


34. F. Valafar and H. Valafar, Co-Editors, Co-Associate Editors: Hamid R. Arabnia, Matthew He, Usha Sinha. The Proceedings of the 2004 International Conference on


42. S.M. Bhandarkar and S.R. Chandrasekaran, “Parallel Parsing of MPEG Video on a Shared-Memory Symmetric Multiprocessor”, Parallel Computing, accepted for publication.


74. Rui Dai, and Kang Li, “Shall We Stop All Unsolicited Email Messages”, in Proceedings of the First Conference on Email and Anti-Spam (CEAS 2004), Mountain View, CA

75. Kang Li, Calton Pu, and Mustaque Ahamad, “Resisting SPAM Delivery by TCP Damping”, in Proceedings of the First Conference on Email and Anti-Spam (CEAS 2004), Mountain View, CA.


PRESENTATIONS AT MEETINGS


PRESENTATIONS AT INTERNATIONAL MEETINGS


