

# **Appendix I - Faculty Quality Indicators**

# 1. Awards and Honors

## a. Faculty

Professor	List of Awards & Honors
<b>Leonard Adleman</b>	2003 Turing Award
	2000-IEEE Kobayashi Award for Computers and Communications (Joint with Rivest and Shamir)
	2000-Distinguished Professor title University of Southern California
	1996-ACM Paris Kanallakis Award for Theory and Practice. For work on Public-Key-Cryptography (joint with Diffie, Hellman, Merkle, Rivest and Shamir)
	1995-Distinguished Alumnus Award. Department of Computer Science and Engineering, UC Berkeley
	1991-Senior Research Award University of Southern California, School of Engineering
<b>Michael Arbib</b>	Studies
	1995- Lockheed Senior Research Award, USC School of Engineering
	1995- IEEE Neural Networks Council Pioneer Award for 1995, presented at the International Conference on Neural Networks in Perth, Western Australia on November 30, 1995
<b>Mathieu Desbrun</b>	2003- ACM Siggraph New Significant Researcher Award ( <a href="http://www.siggraph.org/awards">http://www.siggraph.org/awards</a> )
	2001- NSF Career Award, " <i>Fast, Predictive Modeling and Simulation in Computer Graphics: Theoretical and Computational Foundations.</i> "
	1998-Best Ph.D. dissertation in CS prize from the National Polytechnic Institute of Grenoble (10 awards out of more than 150 theses in all sciences, institute-wide)
	1995-Merit-based grant for Ph.D. studies and teaching assistantship from the French government
	1994-Best Master's thesis prize from ENSIMAG (out of 35 other graduating candidates)
<b>Shahram Ghandeharizadeh</b>	2000- ACM-SIGMM Service Award
	1999- Okawa Foundation Award
	1999- ACM-SIGMOD Service Award
	1997- USC-School of Engineering and Computer Science Dept. Outstanding Teaching Award
	1995- USC-School of Engineering Research Faculty Award
	1992- NSF Young Investigator (NYI) Award
<b>Leana Golubchik</b>	1996-2001: NSF Faculty Early Career Development (CAREER) Award
<b>Ming-Deh Huang</b>	NSF 1989 Presidential Young Investigator Award

# 1a. Awards and Honors: Faculty cont'd

Professor	List of Awards & Honors
<b>Ming-Deh Huang</b>	NSF 1989 Presidential Young Investigator Award
<b>Laurent Itti</b>	2000- Recipient of new faculty award from the Charles Lee Powell Foundation
<b>Sven Koenig</b>	2003- Outstanding Junior Faculty Research Award (College of Computing, Georgia Institute of Technology)
	2001-IBM Faculty Partnership Award
	2000-NSF Career Award
	1999-Raytheon Faculty Research Award (Georgia Institute of Technology)
	1990-Tong Leong Lim Pre-Doctoral Prize (University of California at Berkeley)
<b>Maja J. Mataric</b>	2001- Women in Science and Engineering (WISE) travel award
	2000- USC School of Engineering Junior Research Award
	2000-IEEE Robotics and Automation Society Early Career Award
	1999- MIT Technology Review TR100 Innovation Award
	1999-2000: USC Innovative Undergraduate Teaching Award
	1999- ACM Paper Award for co-authored student paper
1996-2001: NSF Career Award	
<b>Dennis McLeod</b>	1995- Outstanding Teaching Award, School of Engineering, University of Southern California
<b>Gerard Medioni</b>	1998- Okawa Foundation Award for Understanding of Informaiton in Images
<b>Nenad Medvidovic</b>	2000-2004: National Science Foundation (NSF) CAREER Award
	1992- Arizona State University, Moeur Award (top student in the graduating class)
<b>Aiichiro Nakano</b>	2003- Okawa Foundation Faculty Research Award
	2000- LSU College of Basic Sciences Award of Excellence in Graduate Teaching
	1999- LSU Alumni Association Faculty Excellence Award
	1997-2001- Faculty Early Career Development (CAREER) Award, Division of Advanced Computational Infrastructure and Research, Directorate for Computer and Information Science and Engineering, National Science Foundation
	1997- Sustained Excellence Award in Ultra Dense, Ultra Fast Computing Components, DARPA, as a member of University of Southern California/Louisiana State University MURI (Multidisciplinary University Research Initiative) team
	1991-1994: Postdoctoral Research Associateship Award in Computer Science and Engineering , Division of Advanced Scientific Computing, Directorate for Computer and Information Science and Engineering, National Science Foundation

## 1a. Awards and Honors: Faculty cont'd

Professor	List of Awards & Honors
<b>Ulrich Neumann</b>	2002- Charles Lee Powell Chair in Engineering
	1999- USC Junior Faculty Research Award
	1995- NSF CAREER Award
<b>Aristides Requicha.</b>	Listings: Who's Who in Technology, Men of Achievement, Who's Who in the West, American Men and Women of Science, Who's Who Directory of Computer Graphics, Dictionary of International Biography, International Directory of Distinguished Scholarship
<b>Paul S. Rosenbloom</b>	1993- The American Voice Input/Output Society Gary K. Poock Editor's Award for the Outstanding Paper in the <i>AVIOS Journal</i> , 1993
<b>Stefan Schaal</b>	2002- University of Southern California Junior Research Award
	2001- NSF/SBER Award for the research topic "Discrete and Rhythmic Dynamics in Multi-joint Movement"
	2000: NSF/ITR Award for the research topic "The Virtual Trainer"
	1997: NSF/SBER Award for the research topic "Multi-joint Dynamics"
	1991-1994: Postdoctoral Scholarship of the German Scholarship Foundation
	1991-1994: Postdoctoral Scholarship of the Alexander von Humboldt Foundation
	1992: Participant in the Summer School on Complex Systems in Santa Fe, New Mexico
	1991-1992: Research Scholarship of the German Academic Exchange Association
1991: Ph.D Scholarship of the Dr. Krüger-Foundation	
1990-1991: Ph.D Scholarship of the German Scholarship Foundation	
<b>Cyrus Shahabi</b>	2003- NSF CAREER Award, \$400,000
	2001- Okawa Foundation Research Award for "Wavelets for Mining Multidimensional Data"
	Ranked first in Iran Entrance Examination for M.S. degree, among more than 800 B.S. Applicants
	Ranked among the top .1% in Iran Entrance Examination for B.S. degree, among more than 500,000 applicants
<b>Gaurav Sukhatme</b>	2002- National Science Foundation CAREER Award
	2001- USC Northrop Grumman Junior Faculty Research Award
	2000- Jet Propulsion Labs Award for Research Excellence
<b>Milind Tambe</b>	2003- Okawa Foundation Research Grant recipient
	2001- Silver medal at the Robocup-Rescue International Competition at RoboFesta, International Robotic Games Festival, held in Japan, for development of earthquake rescue agent-teams. Co-led the USC effort that won this prize
	1999- <i>Scientific Challenge Award</i> , RoboCup'99 International Robotic Soccer Tournament, held in conjunction with the International Joint Conferences on Artificial Intelligence, 1997, for development of the ISAAC automated RoboCup soccer analyst. Co-led the University of Southern California team.
	1997- <i>Meritorious service award</i> of the Information Sciences Institute for outstanding contributions to the success of ISI's robots in international competition
	1986- <i>Bhamsa</i> award for the highest cumulative grade point average(CGPA) of 9.96/10.0 in the computer science department of BITS, Pilani
	1997- <i>Third-place prize</i> , RoboCup'97 International Robotic Soccer Competition (simulation league), held in conjunction with the International Joint Conferences on Artificial Intelligence, 1997. Led the University of Southern California student team; software developed was based on my research in multi-agent collaboration
	1996- <i>Bronze medal</i> for the third highest overall cumulative grade point average(CGPA) of 9.96/10.0 at BITS, Pilani

## 1b. Awards and Honors: Research Faculty

Professor	List of Awards & Honors
<b>Paul Debevec</b>	2002- Technology Review Magazine "TR100" young innovator award
	2001- ACM SIGGRAPH Significant New Research Award for "Creative and Innovative Work in the Field of Image-Based Modeling and Rendering"
	2000- Imagina Prix Pixel-INA for "Fiat Lux", 2nd place, Science category
	2000- ARS Electronica, Honorable Mention for "Fiat Lux"
	2000- 3D Design Big Kahuna Award for "Fiat Lux", Photorealism category
	1999- MMCA Multimedia Grand Prix for "Fiat Lux", 1st place, Technical Art category
	1997- MMCA Multimedia Grand Prix for "The Campanile Movie," 1st place, industry category
<b>Pedro Diniz</b>	1992- Fullbright Travel Grand Award awarded by the Luso-American Cultural Commission (CCLA)
<b>John Heidemann</b>	1990-1991: Usenix graduate research scholarship
<b>Randall Hill</b>	2001- Best Software Prototype Award at the Fifth International Conference on Autonomous Agents for the Mission Rehearsal Exercise System, presented by the Foundation for Intelligent Physical Agents (FIPA)
	2001- The Mission Rehearsal Exercise System won the Defense Modeling and Simulation Organization (DMSO)/National Training Systems Association (NTSA) Modeling and Simulation Award
	NASA Tech Brief Certificate of Recognition: Deep Space Network Planner
	NASA Tech Brief Certificate of Recognition: HyperCLIPS
<b>Edward Hovy</b>	1999- ISI Fellow
<b>Andrew Howard</b>	1997- SGS Traveling Scholarship
	1994-1998: Australian Postgraduate Scholarship (APA Priority)
	1991- Kernot Research Scholarship for Physics
<b>Lewis Johnson</b>	1995- Conference paper selected for journal publication, International Conference on Computers in Education
	1993- Conference paper nominated for best paper, International Conference on Artificial Intelligence in Education
<b>Carl Kesselman</b>	2003- The Federal Laboratory Consortium (FLC) Award for Excellence in Technology Transfer
	2003- InforWorld Top 10 Innovators
	2003- Finalist, World Technology Award for Information Technology Software
	2002- R&D Magazine's Most Promising New Technology Award (best of the R&D 100)
	2002- R&D Magazine R&D 100 Award
	2002- British Computing Society Lady Ada Lovelace Medal
	1998- Global Information Infrastructure Award in the Next Generation Infrastructure category
<b>Jihie Kim</b>	1998- Cum Laude, Seoul National University
	1997- Meritous Service Award, University of Southern California. Information Sciences Institute
	1996- Second place in the 5th Annual AAAI Mobile Robot Competition and Exhibition
	1996- Academic Achievement Award, Office for International Students and Scholars, USC

## 1b. Awards and Honors: Research Faculty cont'd

Professor	List of Awards & Honors
<b>Kevin Knight</b>	Meritorious Service Award, for outstanding work in building an automated research-software distribution web site, securing approval from USC lawyers
<b>Daniel Marcu</b>	Meritorious Service Award, for outstanding work in building an automated research-software distribution web site, securing approval from USC lawyers
	2002- "Grigore Moisil" Prize of the Romanian Academy- for the best scientific book published by a Romanian national in 2000 (The Theory and Practice of Discourse Parsing and Summarization, the MIT Press)
	2001- USC Faculty Honor Roll
	1994-1995: Society of Graduate Students International Student Award 1994- First prize (with PrabalDutta) in the Robot Building Laboratory
<b>Wei-Min Shen</b>	2003- Phi Kappa Phi Faculty Recognition Award, USC
	1997- RoboCup World Champion Award, RoboCup, Nagoya Japan
	1997- Meritous Service Award, Univeristy of Southern California. Information Sciences Institute
	1996- Second Place Award in AAAI Robotics Competition, Portland, Oregon
<b>Willian Swartout</b>	2001- FIPA Software Prototype Award (First Place) at the International Conference on Autonomous Agents. Awarded for Mission Rehearsal Exercise system
	Defense ModelingandSimulation Office (DMSO)/ national Training Systems Association (NTSA) Modeling and Simulation Outstanding Achievement Award. ICT won the award in the funcnional area of training for its development of the Mission Rehearsal Exercise (MRE) System
<b>Joseph Touch</b>	2003- DARPA FTN Award for Excellence in Academic Research
	1996- PTI Technology Achievement Winner (work with Santa Monica's Public Electronic Network)
	1993- Scientific Research Assoc., Sigma Xi
	Who's Who - West(1996-), World (1997-), Science & Eng. (1998-), Media & Comm. (1998-), Finance and Industry (2003-)
<b>Christoph vd Malsburg</b>	2003- Hebb Award of the International Neural Network Society
	2000- Koerber-Award for European Science 2000, Hamburg
	1998- Karl Heinz Beckhurts Foundation Award for Outstanding Achievements in the Field of Neural Computing , Munich
	1994- Poineer Award of the Neural Network Council of the IEEE
<b>Suya You</b>	1996- Royal Society Sino-British Fellowship Trust Award: The Royal Society of British
	1994- Outstanding Doctoral Dissertation Research Award: Huazhong University of Science andTechnology

## 1c. Awards and Honors: Joint Faculty

Name	List of Awards & Honors
<b>Edward Blum</b>	Fulbright Award: Fellowship-Professorship, University of Rome, Italy
<b>Melvin Breuer</b>	2003- Okawa Foundation Research
	2000- Engineering Faculty Council Award for Outstanding Meritorious Service to the USC School of Engineering
	1993- IEEE Computer Society's 1993 Taylor L. Booth Education Award
	1991- Associates Award for Creativity in Research and Scholarship from the University of Southern California, the USC School of Engineering Award for Exceptional Service
<b>Kai Hwang</b>	1996- Outstanding Achievement Awards for significant contributions to parallel and distributed processing techniques and applications, PDPDA1996, PDCAT 2002
<b>Rajiv Kalia</b>	1997- DARPA Sustained Excellence Award in Ultra Dense, Ultra- Fast Computing Components
<b>Bhaskar Krishnamachari</b>	2001- Recognition of Outstanding Accomplishments and Contributions as a Teaching Assistant, Department of Computer Science, Cornell University
	1998- Beller Award for Excellence in Electrical Engineering, Cooper Union
	1994-1998: Four Year Full Tuition Fee Scholarship, Cooper Union
<b>Stephen Lu</b>	2003- YangTze Distinguished Scholarship Award, the Ministry of Education, People's Republic of China
	2002- International Technology Contribution Award, the Shanghai Municipal City Government, Shanghai, People's Republic of China
	1999- Special Technical Achievements Award in Engineering Design Research, the International Academy for Production Engineering Research (CIRP)
	1995- Distinguished Civilian Service Award, U.S. Army Construction Engineering Research Laboratories
	1993- Humboldt Award for Senior U.S. Scientist, Alexander von Humboldt-Stiftung, Germany
	1990- University Scholar Award, University of Illinois at Urbana-Champaign
1990- Senior Xerox Award for Faculty Research, University of Illinois at Urbana-Champaign	
<b>Shrikanth Narayanan</b>	2003- USC Engineering Junior Faculty Research Award
	2003- NSF Career Award
	2001- USC Nominee, Alan Waterman Award
	2000, 1997- AT&T Performance Award
	1999, 1996- AT&T True Achievement Award
1990-1991: DEED Scholarship, American Public Power Association	
<b>Michael Waterman</b>	2002- Gairdner Foundation International Award
	1992- Jet Propulsion Laboratory Award for Filing Patent Application
	1992- USC Associates Award for Creativity in Research and Scholarship
	1991-present: USC Associates Endowed Professorship in Mathematics and Biology

## 2. Fellowships and National Academies

### a. Faculty

Professor	List of Fellows and National Academies
<b>Leonard Adleman</b>	1996-Elected to the National Academy of Engineering
<b>Michael Arbib</b>	1999- Gledden Senior Visiting Fellowship, University of Western Australia Fellow, American Association for Artificial Intelligence
<b>George A. Bekey</b>	1998- Elected Fellow of American Association for Artificial Intelligence 1992- Elected Fellow of American Institute for Medical and Biological Engineering 1991- Elected Fellow of American Association for Advancement of Science 1989- Elected Member of the National Academy of Engineering for "Pioneering work in Computer Sciences Contributing to Biomedical Engineering, Man-Machine Systems and Robotics" 1972- Elected Fellow of IEEE for "Contributions to Hybrid Computation, Man-Machine Systems and Biomedical Engineering"
<b>Leana Golubchik</b>	1994-1995: IBM Graduate Fellowship 1991-1994: National Science Foundation Graduate Fellowship 1990-1991: GTE Graduate Fellowship
<b>Ellis Horowitz</b>	National Science Foundation Research Fellow
<b>Laurent Itti</b>	1995-2000- Awarded Research Assistant fellowship from the U.S. Office of Naval Research(MURI program) 1995-1997- Awarded personal research fellowship from the John Douglas French Alzheimer Foundation
<b>Sven Koenig</b>	1990-1997: Doctoral Fellowship (Carnegie Mellon University) 1990-Regents Fellowship (University of California at Berkeley) offered, but declined 1990-NRTS Fellowship (University of California at Berkeley) offered, but declined 1989-1990: Regents Fellowship (University of California at Berkeley)
<b>Maja J. Mataric</b>	2002-2003: USC's Provost Fellowship from the Center for Interdisciplinary Research 1995- Brandeis University nominee for the Packard Foundation Fellowship 1990-1991: GE Foundation Faculty for the Future Fellowship

## 2a. Fellowships and National Academies: Faculty cont'd

Professor	List of Fellows and National Academies
<b>Gerard Medioni</b>	Fellow of the <i>Institute of Electrical and Electronics Engineers</i>
	Fellow of the <i>International Association for Pattern Recognition</i>
	Member of the <i>American Association for Artificial Intelligence</i>
<b>Nenad Medvidovic</b>	1993-1994: UC Irvine, Department of Information and Computer Science Fellowship
<b>Ulrich Neumann</b>	2002- Charles Lee Powell Chair in Engineering
	1999- USC Junior Faculty Research Award
	1995- NSF CAREER Award
<b>Ramakant Nevatia</b>	Fellow of Institute of Electrical and Electronic Engineers
	Fellow of American Association for Artificial Intelligence
<b>Aristides Requicha.</b>	Fellow of IEEE (Institute of Electrical and Electronic Engineers)
<b>Paul S. Rosenbloom</b>	1994- Fellow of the American Association for Artificial Intelligence (AAAI)
<b>Stefan Schaal</b>	1995-1997: Habilitation Fellowship of the German Research Association
<b>Gaurav Sukhatme</b>	2000- Government of Germany Gambrinus Fellowship

## 2b. Fellowships and National Academies: Research Faculty

Professor	List of Fellows and National Academies
<b>Paul Debevec</b>	1992- National Science Foundation Graduate Research Fellowship
<b>Ewa Deelman</b>	1993-1994: General Electric Foundation Fellowship, Rensselaer Polytechnic Institute
<b>Mary Hall</b>	1993-1994: National Science Foundation CISE Postdoctoral Fellowship
<b>Carl Kesselman</b>	2003- ISI Fellow Fellow, British Compting Society
<b>Craig Knoblock</b>	1987-1990: Air Force Laboratory Graduate Fellowship
<b>Daniel Marcu</b>	1994-1995: University of Toronto Open Doctoral Fellowship 1993-1994: Universtiy of Toronto Open Master's Fellowship 1990- "Grigore Moisil" Student Fellowship for Ourstanding Research, Technical University of Cluj 1988-1991: Undergraduate Fellowship of Merit, Technical University of Cluj
<b>Willian Swartout</b>	1992- Fellow, American Association for Artificial Intelligence
<b>Christoph vd Malsburg</b>	Academia Europea

## 2c. Fellowships and National Academies: Joint Faculty

Name	List of Fellows and National Academies
<b>Edward Blum</b>	Fulbright Award: Fellowship-Professorship, University of Rome, Italy
<b>Rajiv Kalia</b>	2000- FOM Fellowship, the Netherlands
	1991- Japan Society for the Promotion of Science Fellowship
<b>Bhaskar Krishnamachari</b>	1998-2002: Graduate School Fellowship and Olin Presidential Fellowship, Cornell University
<b>Shrikanth Narayanan</b>	2003-Faculty Fellow, Center for Interdisciplinary Research
	2002- Senior Member, IEEE
	1994- Vinnell Foundation Fellowship
	1993- Anthony Fellowship
<b>Irving Reed</b>	1973- IEEE Fellow
<b>Michael Waterman</b>	1995-present: Fellow of the American Academy of Arts and Sciences
	1995-1996: Fellow of the John Simon Guggenheim Foundation
	1991-present: USC Associates Endowed Professorship in Mathematics and Biology
	1990-present: Fellow of the American Association for the Advancement of Science
	May 2001- Member of the National Academy of Sciences

### 3. Best Paper Awards:

#### a. Faculty

Professor	List of Best Paper Awards
<b>Mathieu Desbrun</b>	2002- Best Paper Award at Eurographics '02, second prize (see[DMA02])
<b>Maja J. Mataric</b>	2003- Best Paper Award, HICSS Int. Conference
	1999- ACM Paper Award for co-authored student paper
<b>Gerard Medioni</b>	2002- Best Student Paper Award at the International Conference on Pattern Recognition, Quebec City, Mircea Nicolescu, Gérard Medioni, "4-D Voting for Matching, Densification and Segmentation into Motion Layers"
<b>Aiichiro Nakano</b>	2002- Best Papers Award, IEEE Virtual Reality 2002 Conference
	2001- The Best Technical Paper Award, IEEE/ACM Supercomputing 2001 Conference
<b>Aristides Requicha.</b>	1995- Best Paper Award, ASME Int'l Computers in Engineering Conference
	1993- Best Paper Award, IEEE Computer Graphics and Applications
<b>Paul S. Rosenbloom</b>	1991- Award for best written paper, <i>Ninth National Conference on Artificial Intelligence (AAAI-91)</i>
<b>Stefan Schaal</b>	2002- Award for best annual neural networks journal paper of 2001, awarded by the Neural Networks Society of Japan
	2001- Overall Best Paper Award at the International Conference of Robotics and Automation
	2000: Finalist (i.e., among the 5 best papers out of 600) for Best Paper Award in the International Conference on Robotics and Automation, San Francisco, April 24-29
	1998: ATRI (Advanced Telecommunications Research International) Best Paper Award for "A Kendama Learning Robot Based on Bi-Directional Theory"
<b>Milind Tambe</b>	2003- Nominated for Best Student Paper, AAMAS'03 The paper is entitled "An asynchronous complete method for distributed constraint optimization (first author: Pragnesh Jay Modi, PhD Student)
	2002- Best Paper Award, AAMAS'02 The paper is entitled "Multiagent teamwork: Analyzing the complexity and optimality of key theories and models."
	1999- <i>Best of Agents'99</i> . Our paper from the International Conference on Autonomous Agents 1999 invited for publication in the "Best of Agents'99" special issue of the Autonomous Agents and Multi-agent Systems Journal. This paper is entitled "On being a teammate: Experiences acquired in the designs of RoboCup teams."
	1999- <i>Best of ICMAS'98</i> . Our paper from the International Conference on Multi-Agent Systems 1998 was invited for publication in the "Best of ICMAS'98" special issue of the Autonomous Agents and Multi-agent Systems Journal. This paper is entitled "Towards flexible team work in persistent teams."

### 3. Best Paper Awards: cont'd

#### b. Research Faculty

Professor	List of Best Paper Awards
<b>Ewa Deelman</b>	2001- Best Paper Award, 15th Workshop on Parallel and Distributed Simulation
<b>Yolanda Gil</b>	2001- Best Paper Award with Jim Blythe, Jihie Kim, Surya Ramachandran. "An integrated environment for knowledge acquisition," 2001 International Conference on Intelligent User Interfaces
<b>Andrew Howard</b>	1997- Best Student Paper Award, International Conference on Field and Service Robotics
<b>Lewis Johnson</b>	2001- Distinguished paper, International Conference on Artificial Intelligence in Education
	1999- Best Paper Award, International Conference on Artificial Intelligence in Education
	1995- Best Paper Award, Knowledge Based Software Engineering Conference
<b>Jihie Kim</b>	2001- Best Paper Award, with Jim Blyth, Surya Ramachandran, and Yolanda Gil. "An integrated environment for knowledge acquisition," Intelligent User Interface Conference
<b>Kevin Knight</b>	2001- Best Paper Award, "Fast Decoding and Optimal Decoding for Machine Translation" (U. Germann, M.Jahr, K.Knight, D.Marcu, and K. Yamada), Proceedings of the Conference of the Association for Computational Linguistics (ACL)
	2000- Outstanding Paper Award, "Statistics-Based Summarization- Step One: Sentence Compression," (K.Knight and D. Marcu), National Conference on Artificial Intelligence (AAAI)
<b>Craig Knoblock</b>	1994- Best Paper Award at the Canadian Artificial Intelligence Conference
<b>Daniel Marcu</b>	2001- Best Paper Award, "Fast Decoding and Optimal Decoding for Machine Translation" (U. Germann, M.Jahr, K.Knight, D.Marcu, and K. Yamada), Proceedings of the Conference of the Association for Computational Linguistics (ACL)
	2000- Outstanding Paper Award, "Statistics-Based Summarization- Step One: Sentence Compression," (K.Knight and D. Marcu), National Conference on Artificial Intelligence (AAAI)
<b>Wei-Min Shen</b>	2002- The Best Paper Award, "On the Use of Sensors in Self-Reconfigurable Robots," International Conference on Simulation of Adaptive Behaviors
<b>Suya You</b>	2003- Best Paper Award: "IEEE Virtual Reality"
	1995- Best Paper Award, Hubei Province Science and Technology Committee, China

### 3. Best Paper Awards: cont'd

#### c. Joint Faculty

Name	List of Best Paper Awards
<b>Melvin Breuer</b>	2000- Best Paper Award at the 2000 Asian Test Symposium for a paper
	1997- Co-author of a paper that won an Honorable Mention Award at the 1997 International Test Conference
	1993- IEEE Computer Society's 1993 Taylor L. Booth Education Award
<b>Bhaskar Krishnamachari</b>	1998- First Prize, IEEE Annual Student Paper Award
<b>Shrikanth Narayanan</b>	2002- Best Student Paper Award with J. Shin, L. Gerber, A.Kazemzadeh, D. Byrd for "Analysis of user behavior under error conditions in spoken dialogs."

## 4. Patents

Name	Date	Number	Title
Adeleman, Leonard	September 20, 1983	4,405,829	Cryptographic communications system and method
Breuer, Melvin	June 9, 1987	4,672,307	Simplified delay testing for LSI circuit faults
Debevec, Paul	September 30, 2003	6,628,298	Apparatus and method for rendering synthetic objects into real scenes using measurements of scene illumination
Desbrun, Mathieu	June 3, 2003	6,573,897	Real-time, interactive animation of deformable two- and three-dimensional objects
Ghandeharizadeh, Shahram	August 25, 1998	5,799,174	Staggered striping in multimedia information systems
Ghandeharizadeh, Shahram	February 8, 2000	6,023,720	Simultaneous processing of read and write requests using optimized storage partitions for read and write request deadlines
Ghandeharizadeh, Shahram	June 20, 2000	6,078,998	Real time scheduling of prioritized disk requests
Hobbs, Jerry	July 29, 2003	6,601,026	Information retrieval by natural language querying
Itti, Laurent	February 27, 2001	6,195,409	Automatic scan prescription for tomographic imaging
Knoblock, Craig	August 12, 2003	6,606,625	Wrapper induction by hierarchical data analysis
Knoblock, Craig	June 2, 2000	09/587,528	documents
Knoblock, Craig	November 3, 2000	09/707,147	Information Agent System ("Theseus")
Lu, Stephen	July 23, 1991	5,034,898	System including inductive learning arrangement for adaptive management of behavior of complex entity
Matthies, Larry	January 12, 1993	5,179,441	Near real-time stereo vision system
Medioni, Gerard	July 18, 1989	4,849,914	Method and apparatus for registering color separation film
Medioni, Gerard	June 11, 1991	5,023,815	Method and apparatus for registering color film separations
Medioni, Gerard	July 25, 1995	5,436,672	Video processing system for modifying a zone in successive images
Medioni, Gerard	February 25, 2003	6,525,780	"Midlink" virtual insertion system
Narayanan, Shrikanth	June 13, 2000	6,076,057	discrimination
Narayanan, Shrikanth	October 24, 2000	6,138,100	Interface for a voice-activated connection system
Narayanan, Shrikanth	January 9, 2001	6,173,279	Method of using a natural language interface to retrieve information from one or more data resources
Ozden, Banu	January 13, 1998	5,708,796	Method of retrieving continuous and non-continuous media data from a file system
Ozden, Banu	February 17, 1998	5,720,037	Multimedia on-demand server
Ozden, Banu	February 24, 1998	5,721,956	Method and apparatus for selective buffering of pages to provide continuous media data to multiple users
Ozden, Banu	March 3, 1998	5,724,543	Video data retrieval method for use in video server environments that use striped disks
Ozden, Banu	May 19, 1998	5,754,773	Multimedia on-demand server having different transfer rates
Ozden, Banu	June 2, 1998	5,761,692	Method and apparatus of retrieving continuous and non-continuous media data from a file system
Ozden, Banu	October 20, 1998	5,826,110	System for video server using coarse-grained disk striping method in which incoming requests are scheduled and rescheduled based on availability of bandwidth
Ozden, Banu	December 1, 1998	5,845,279	Scheduling resources for continuous media databases
Ozden, Banu	February 9, 1999	5,870,551	Lookahead buffer replacement method using ratio of clients access order offsets and buffer data block offsets
Ozden, Banu	October 12, 1999	5,964,829	Method and apparatus for providing enhanced pay per view in a video server employing a coarse-grained striping scheme
Ozden, Banu	December 7, 1999	5,999,963	Move-to-rear list scheduling
Ozden, Banu	January 4, 2000	6,012,080	server
Ozden, Banu	June 20, 2000	6,079,028	Fault tolerant architectures for continuous media servers
Ozden, Banu	November 28, 2000	6,154,813	Cache management system for continuous media system
Ozden, Banu	August 21, 2001	6,278,998	Data mining using cyclic association rules
Ozden, Banu	December 11, 2001	6,330,609	Admission control system and method for media-on-demand servers
Ozden, Banu	August 13, 2002	6,434,631	Method and system for providing computer storage access with quality of service guarantees
Ozden, Banu	April 29, 2003	6,556,578	Early fair drop buffer management method
Prasanna, Viktor	November 21, 1995	5,468,069	Single chip design for fast image compression
Requicha, Aristides	January 21, 2003	6,508,979	Layered nanofabrication
Shen, Wei-Min		10/155,489	Distributed control and coordination of autonomous agents in a dynamic, reconfigurable systems
Touch, Joseph		5,353,419	Memory-side driven anticipatory instruction transfer interface with processor-side instruction selection
von der Malsburg, Christoph	April 24, 2001	6,222,939	Labeled bunch graphs for image analysis
von der Malsburg, Christoph	March 12, 2002	6,356,659	Labeled bunch graphs for image analysis
von der Malsburg, Christoph	October 15, 2002	6,466,695	Procedure for automatic analysis of images and image sequences based on two-dimensional shape primitives
von der Malsburg, Christoph	May 13, 2003	6,563,950	Labeled bunch graphs for image analysis
You, Suyu	October 15, 2002	60/418,841	Augmented virtual environments for visualization and fusion of dynamic imagery and 3D models
You, Suyu	March 7, 2001	60/274,001	An augmented-reality tool employing scene-feature autocalibration during camera motions

5.