University
of
Bridgeport

A Sample
of
Faculty Publications
and
Activities

1997 - 2007
Buket Barkana
Publications


M. EMRE CELEBI

PUBLICATIONS

Journals

M. Emre Celebi, Hassan A. Kingravi, Bakhtiyar Uddin, Y. Alp Aslandogan, William V. Stoecker, and Randy H. Moss “A Methodological Approach to the Classification of Dermoscopy Images” accepted for publication in Computerized Medical Imaging and Graphics

M. Emre Celebi, Hassan A. Kingravi, and Y. Alp Aslandogan “Nonlinear Vector Filtering for Impulsive Noise Removal from Color Images” accepted for publication in Journal of Electronic Imaging

M. Emre Celebi, Hassan A. Kingravi, Bakhtiyar Uddin, and Y. Alp Aslandogan “A Fast Switching Filter for Impulsive Noise Removal from Color Images” accepted for publication in Journal of Imaging Science and Technology

M. Emre Celebi, Y. Alp Aslandogan, William V. Stoecker, Hitoshi Iyatomi, Hiroshi Oka, and Xiaohe Chen “Unsupervised Border Detection in Dermoscopy Images” accepted for publication in Skin Research and Technology

Conference Proceedings


Under Review

M. Emre Celebi and Hassan A. Kingravi “Real-Time Color Space Transformations” IEEE Trans. on Image Processing

M. Emre Celebi, Hassan A. Kingravi, JeongKyu Lee, and Y. Alp Aslandogan “A Real-Time Method for Border Detection in Dermoscopy Images” Skin Research and Technology


Xiaohge Chen, Randy Moss, William Stoecker, Scott Umbaugh, R. Joe Stanley, M. Emre Celebi, and Bijaya Shrestha “Skin Lesion Segmentation by an Adaptive Watershed Flooding Approach” IEEE Trans. on Medical Imaging

RESEARCH FUNDING

Grants Awarded

Title: Automatic Detection of Critical Dermoscopy Features for Melanoma Diagnosis
Agency: National Institutes of Health (NIH)
Collaborators: Dr. Harold Rabinovitz (Dept. of Dermatology, University of Miami, FL), Dr. Nizar Mullani (Dept. of Internal Medicine, University of Texas Medical School, TX)
Amount: $794,760

Title: Change Detection in Pigmented Skin Lesions of Patients at High Risk for Melanoma
Agency: U.T. Southwestern Medical Center - James A. Schlipmann Melanoma Cancer Foundation
Collaborators: Dr. Paul Bergstresser (Dept. of Dermatology, U.T. Southwestern Medical Center, TX)
Amount: $30,000

Grant Proposals Submitted

Title: Automatic Change Detection of Skin Lesions through Laser-guided Imaging
Agency: National Institute for Biomedical Imaging and Bioengineering (NIBIB)
Collaborators: Dr. Paul Bergstresser (Dept. of Dermatology, U.T. Southwestern Medical Center, TX), Dr. Ardeshir Goshtasby (Dept. of Computer Science and Engineering, Wright State University, OH)

PROFESSIONAL ACTIVITIES

Scientific Consultant
- Stoecker & Associates, Rolla, MO
Program Committee Member
- MDMM 2007: First International Workshop on Multimedia Data Mining and Management

Reviewer
- IEEE Transactions on Image Processing
- IEEE Transactions on Systems, Man, and Cybernetics Part B
- Computer Vision and Image Understanding
- Computerized Medical Imaging and Graphics
- Melanoma Research
- IEEE Int. Conf. on Information Technology: Coding and Computing (ITCC 2005)
- IEEE Int. Conf. on Information Technology: Coding and Computing (ITCC 2004)

Member
- Institute of Electrical and Electronics Engineers (IEEE)
- International Society for Optical Engineering (SPIE)
- The Society for Imaging Science and Technology (IS&T)

Invited Speaker
Julius Dichter

Publications


Grant Proposals
HP Technology Grant 2006 (not awarded)

Professional Activities
Reviewer for Addison Wesley and PWS and Brooks/Cole Publishing
Reviewer for The Computer Journal, UK
Reviewer for several ISCA and IEEE international conferences
Session Chair for ISCA conferences
Member of Technical Program Committee for various international conferences
Khaled M. Elleithy, Ph.D.

Research Grants

- Principal Investigator, “Wireless LAN Laboratory,” NSF, June 1, 2004, through May 31, 2005; $100,000 plus $100,000 in University of Bridgeport matching funds, Pending.
- Principal Investigator, “Electronic Assessment of Undergraduate Programs (E-Assessment)”, NSF, June 1, 2004, through May 31, 2006; $520,000, Pending.
- Co-Principal Investigator, “Refining and Improving Science and Mathematics Understanding through Partnerships (Ris’m Up)”, NSF, July 1, 2004 through June 30, 2009, $7,000,000, Pending.

Professional Activities

Conferences Chairman

- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 07), December 20076, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 06), December 2006, Virtual Conference.
- Chairman, International Joint Conferences, on Computer, Information, and Systems Sciences, and Engineering, (CIS2E 05), December 2005, Virtual Conference.

Membership in Technical Committees

9. Member, 2002 International Program Committee of the 14th International Conference on Parallel and Distributed Computing and Systems in Cambridge (USA), November 4-6, 2002.
12. Member, International Program Committee of the 13th International Conference on Parallel and Distributed Computing and Systems (PDCS'01) in California (USA), August 21 - 24, 2001.
15. Member, Program Technical Committee of the 2000 IEEE Workshop on SiGNAL PROCESSING SYSTEMS (SiPS) Design and Implementation, October 11-13, 2000, Lafayette, Louisiana.
17. Member, Program Technical Committee of Conference on Parallel and Distributed Computing and Systems, PDCS 97, June 1997, Barcelona.

**Membership in Standing Committees**

Member, IASTED Standing Technical Committee on Parallel and Distributed Computing and Systems. The committee is responsible for the planning and organization of IASTED activities such as meetings and publications.

Member, American Biographical Institute Research Board of Advisors. The American Biographical Institute publishes the following biographical reference works since 1967:

- The International Directory of Distinguished Leadership
- The International Who's Who of Professional and Business Women
- The Dictionary of Leading Americans and the World Who's Who of Women

**Editorial**

**Published Work**

**Books**

**Book Chapters**


**Journal Publications**


Conference Publications


Reports


Presentations in Conferences, Meetings, and Seminars


Stephen Grodzinsky

Recent conference and workshop presentations:

Schulze, K.G., Grodzinsky, F.S., Grodzinsky, S.E., King, L., Stafford, S.P.,
"Teaching Ethical and Social Issues in Computing", Proceedings of the Second
Annual CCSC Northeastern Conference, Volume 12, Number 5, May 1997

Workshop: Computer Ethics: How Far Have We Come In the Past Five Years, F.
Grodzinsky, S. Grodzinsky, L. King, K. Schulze, SIGCSE 1999, New Orleans, March,
1999.

Computer Ethics: Where we have been and where we are going, Swinbourne
University and the Australian Institute of Computer Ethics, October, 1998.

Integrating Computer Ethics Into the Computer Science and Engineering
Curriculum
Painlessly, Swinbourne University and the Australian Institute of Computer
Ethics, October, 1998.

Teaching Ethical and Social Issues: A Panel with F. Grodzinsky, S. Grodzinsky,
L. King, K. Schulze, Northeastern Small College Computing Conference, Boston MA
1997.
Navarun Gupta


Omar Grafals, Navarun Gupta, Gualberto Cremades, Barreto, A. B., and Malek Adjouadi, "Decreased 3D-Sound Spatialization Accuracy Caused by Speech Bandwidth Limitation Over Commodity Audio Components", Biomedical Sciences Instrumentation, Vol.36, April 2000, pp. 245 – 250


**List of Grants / Proposals**

1. **FISPE (Fund for the Improvement of Postsecondary Education):** Submitted October 15, 2004 - Proposal to enhance undergraduate engineering education by introducing topics related to medicine.

2. **Beacon Foundation:** November 2004 - Proposal to design a robust, fast, and adaptive blood gas monitoring system for preferred use when the patient is a child or baby or neonate.

3. **NALI:** December 19, 2005 - Proposal to design a 3-D auditory display for navigating aircrafts.
Lawrence V. Hmurcik

PUBLICATIONS


6."On the electrical characterization of the superconductor YBAgCuO polycrystalline pellets”, L.V.Hmurcik and Abe Bidarian, CMOC Conference, Yale University (March 2002).

"Consumers can help own cause”, Pam Dawkins, Connecticut Post Newspaper, February 4, 2007. I was interviewed for data for this article.

CONSULTING
1. On February 12, 1997, I worked for Raymond Corp., Greene, NY 13617, (607) 656-2223. I advised them in the best way to run their technology courses, which were used to teach and train their employees.

2. On February 19, 1997, I worked for JMA Packing Inc, 231 Hawthorne Ave, Yonkers, NY. An employee was injured when cleaning a machine that made cardboard boxes. Work included an on-site inspection and electrical analysis of the machine (WWII vintage but recently refurbished) I found that the employer (JMA) was NOT guilty of any safety violations. I was later called to prepare my findings for testimony in court.

4. On April 17, 1997, I had another job for Connecticut Technology Associates. A Q-tip was suspected of causing a person to damage his ear. I demonstrated test protocols necessary for the machine that manufactured the Q-tips in order to produce a safe Q-tip, i.e., one where the cotton swab was firmly attached to the end.

5. On April 25, 1997 I was called upon to "define" HF (high frequency) both in its popular usage and in its specific usage in TV signal production. My definition was used to fight a patent infringement involving Intellectual Property Development vs. UA/Columbia/Cablevision Inc.

6. On May 15, 1998 I consulted for Connecticut Fiber Optics Corporation (617) 342-4000. They make fiber optic probes used in dental work. I was involved in fighting patent infringement.

7. On June 4, 1997, I consulted for SVG (Silicon Valley Group), CT, (203) 838-1608. I advised them about the meaning of spectral analysis data they were getting.

8. On December 22, 1997, I had another job for Connecticut Technology Associates. I built a mock-up of a machine controlled by an inductive proximity switch. I showed how the switch was sabotaged and thus caused an accident currently under investigation.

9. On December 23, 1997, I advised the zoning board in Tenefly, NJ (201)816-0876. Omnipoint Corp. wanted to put up a cellular phone tower on a hill in town. The town board was against this for reasons of zoning and environmental protection. The board wanted the tower in the valley garbage dump. I set up spec. tests and read and interpreted Omnipoint’s reports.

10. I worked for Mahoney and Muller defending a Norwich Motel on January 4, 1998 and also on 10 / 98, (860) 616-4441. A guest was given an electric shock. I was able to prove negligence and sabotage on the guest’s part.


14. On June 9, 1998, I worked for a former employer of a Norwich optical firm. The firm makes glasses for the general public. I showed their machine lacked needed electric safety guards. As a result, the employee was injured.

15. On July 1, 1998, I consulted for Connecticut Technology Associates. I outlined safety protocols for measuring the voltage of a 23,000 volt power line 20 feet above the ground.

17. On September 1, 1998, I had job at Yale-New Haven Hospital. They send out medical teams twice a year to help people in poor countries. They wanted to use a Sternum Saw (for heart surgery). They needed a power converter for use in Russia. They wanted me to make sure their converter would do the job in Russia.

18. On 9/19/98 I investigated an aquarium fire. I worked for the insurance company of the Reef and Fin Pet store, 180 Bedford Street, Stamford, CT, (203) 863-9077. They had set up the aquarium. I proved the exact cause of the fire.

19. On 11/13/98, I worked for Berkley Associates, PO Box 4012, Farmington, CT 06034. Their client (Mal Machinery, 611 North Main Street, Bristol, CT) had one worker lose his hand in the course of servicing a machine. I reconstructed the events leading up to the accident in order to allow the company to assess blame properly.

20. On 12/1/98, I did a job for Connecticut Technology Associates. I determined how close a ladder can be to a 23,000 Volt power line before there is a shock to the person on the ladder. This was for an ongoing accident investigation.

21. On 2/15/99 and continuing to 6/99, I worked for the law offices of Maher and Murtha, 528 Clinton Ave, Bridgeport, CT 06605, (203) 367 - 2700. They defended an electrician who was sued by a woman claiming she had gotten a shock from an appliance he fixed. I duplicated the suspected setup and proved no shock would result. I later went to court to testify and win this case.


25. On July 20, I worked for attorney Neil Johnson, AAAA Legal Services PC, 96 Webster St., Hartford, CCT, 06114. His client had gotten a shock from an electric chainsaw he was using. I showed the saw was safe unless it was used to cut a large log, as happened here.
26. On July 22, 1999, I worked for Connecticut Technology Associates. A table saw had "kicked" a man while it was in use. The reason was traced to sawdust that had collected in the motor. Later models of this saw had protected the motor from this, but no recall was issued for earlier models, like the one I tested.

27. On Oct 5, 1999, I went to the law offices of Fogel and Wachs, Attorneys at Law, 420 Fifth Ave., 26th floor, NY, NY 10018 - 2729, (212) 944 - 1580. Their client was using a weed whacker and suffered an electric shock. I was able to pinpoint the exact defect that caused it.

28. On Dec. 8, 1999, I investigated an accident for Attorney Joanne Pisano, 1250 Central Park Ave., Yonkers, NY, 10704, (914) 423 - 8912. Her client had received multiple shocks from an electric stove. I investigated the stove and found the cause of the trouble.

29. On January 15, 2000, I advised on an accident involving an employee of Junior's Bakery in Brooklyn. The man was injured in using a large (6 foot tall) pizza dough mixer. I analyzed the 3-phase circuits in order to predict the reason the machine suddenly turned on.

30. On February 15, 2000, I advised Attorney Tom Grady (401.596.0183) about a client who had been electrocuted while doing electrical work in a deep well. I was able to conclusively show the mechanism of death, which the coroner could not do.

31. On May 9, 2000, I advised Connecticut Technology Associates on the speeding ticket their client had gotten. Judgment was based on a machine which was calibrated with a tuning fork. I did a complete error analysis.

32. On September 7, 2000, I prepared reports disputing a speeding ticket received by Mr. Joe Bango of Connecticut Analytical. I testified in behalf of Mr. Bango on Oct 17, in Auburn, MA, Worchester Court. I got the judge to throw out the radar results of the state trooper.

33. On October 10, 2000, I helped re-design an oxygen sensor for use near an MRI: Model 1000 OXYSENSE by Connecticut Analytical.

34. On June 19, 2000, I went to Tranlite Corp for another visit. See item 4. This time, I investigated the electronic control circuitry that regulated the safety of a human operator of a heavy punch press. The human had an accident, and I was able to prove it was NOT the fault of the electronics but rather the fault of a mechanical foot activated switch.

35. On September 5, 2001, I worked for Mr. Lundgren, through Connecticut Analytical. Mr. Lundgren was under house-arrest. He could leave his house. He wore an ankle bracelet. He was arrested and put into prison because the homing station said that he left twice. The homing station
was defective. It sat too close to the refrigerator. Mr. Lundgren’s contempt of court charges were dropped. He returned to house arrest, pending the outcome of his original case.

36. On January 2, 2002, I worked for Atty. Mark Anziano (860.231.1800). He represented a woman who was shocked by a faulty electric fixture at the Big Y supermarket, New Milford, CT.

37. On April 24, 2002 I went to court in the Rolls-Royce case. See #148. Durkin and Durkin attorneys at law, 1120 Bloomfield Ave., West Caldwell, NJ 07007, 973. 244. 9969 handled the case for Mr. Ross suing Rolls-Royce. I was one of 2 experts for Ross/Durkin. We won a settlement of $350, 000, the largest lemon law settlement in NJ history. Docret # L - 1554 – 00.

38. On May 13, 2002, I worked for Mr. John Orazietti, 15F Janet Circle, Bridgeport, CT 06606. He bought a new home, which sat near a hi-tension power line. He had radiation test results done by the power company (United Illuminating). He asked me to read and interpret them. My tests saved him $50,000.

39. On November 22, 2002, I worked on patent developed by Connecticut Analytical Corporation. The U.S. Navy has “drones” used for spying and explosive delivery. These are sophisticated remote controlled “model airplanes”. The patent listed one technique for destroying them if they fell into enemy hands. They had to be destroyed without the use of gunpowder or chemical explosives. I was called in to verify this idea. Furthermore, I applied 2 additional ideas to destroy the drones. For this I was named a co-author on the patent.

40. On November 22, 2002, I worked at Connecticut Analytical on two jobs: (i) they have an “anthrax” tester. It requires polarizing molecules electrically (ii) they have a rocket booster being developed for NASA. It requires a large electric field in order to produce “Taylor Cones” in a fluid.

41. On March 12, 2003, I reviewed a manuscript for Prentice – Hall, c/o Mr. Brian Hoehl, Pearson Education, One Lake St. # 3F79, Upper Saddle River, NJ 07458, 201.236.7217. The manuscript was Quantitative Physiology for Engineers, by Joseph Feder.

42. On April 8, 2003, I worked for Attorney John Maxwell (860.659.0700), who represented the insurance company Berkley Administrators of Connecticut Inc. Mr. Richard Couture suffered massive burning in an accident at Plas- Pak Corp. Norwich, CT. He bridged a circuit, and 4000 amps shorted the circuit. If the accident were “Normal”, Berkley Corporation would pay for Mr. Couture’s recovery. (Note: Mr. Couture was in the hospital intensive care unit over 2 months). I found fault with the electrical installation by the electrical Contractor. This shifted the financial responsibility.


44. On January 2, 2004, I worked for Atty. Charlene Russo, c/o Russo, LaRose, and Bresnahan, 538 Preston Avenue, P.O. Box 1002, Meriden, CT 06450, 203-238-1812. A man had been electrocuted when he worked on a VFD (variable frequency drive) powered by 440 volts, 200
Amps. Who was responsible? I came up with 4 possible theories of how it happened and analyzed depositions, OSHA reports/pictures and medical reports.


46. On February 19, I worked for Atty. John Haverstock, 340 Broad St., Suite # 303, Windsor CT 06095, 860.688.0930. The case involved a woman who received an electric shock from a light switch. I analyzed the data and the clothing worn by the victim. I successfully explained why a male colleague received no shock from the same switch. I tested shoes and clothes of the victim. I found possible damage (not detected until then) to the victim’s heart.

47. On April 23, I investigated an electrical fire for the estate of William Schael, 2 Norvel Road, Norwalk, CT 06851. Mr. Schae’s kitchen was redecorated. Proper ventilation for the electric wires was not done. Within 6 months, the wooden kitchen cabinets pyrolyzed and caught fire. Mr. Schael died.

48. On July 23, 2004, I began work for Atty. Kevin Donnelly, c/o Mr. Cormack and Turpin, One Blue Hill Plaza, Pearl River, NY 10965, Suite # 1600, 845.732.9200. Two Con Ed workmen were injured while performing two separate Hi-Pot tests. They are suing the manufacturer of the capacitors used. My job is to place blame correctly using safe Engineering Practices as my guide, following an investigation of each accident.

49. On July 30, 2004, I worked for Attorney Robert Hale, 146 High St., Enfield, CT 06082, 860.741.7200. His client was being sued by Connecticut Light and Power (CL&P). They claim he stole electricity from them for 20 years. I showed their evidence to be inconclusive. They were reading client’s meter by a wireless system. The data that this system transmitted through air was corrupted by a cell-phone tower, which was on the client’s property.

50. On September 27, Mr. Joseph Bango and I went to interview Mr. Richard B. Cass, President and CEO of Advanced Cerametrics Inc., 245 N. Main St., Lambertville, NJ 08530, 609.397.2900. We were accompanied by Mr. John Sfondrini, general partner, The Edge Group PO Box 1248, 36-16 Catoonah St., Ridgefield, CT 06877, 203.894.8244. Mr. Sfondrini wants to invest money ($3 million) in Mr. Cass’s company. Mr. Cass manufactures piezoelectric wire. This is used to reduce the jitter in tennis racquets (the stuff that gives us “tennis elbow”). It could also be used in pacemakers and other appliances, where it could be good to get rid of the battery.

51. On December 7, 2005, I did a site inspection at McGuire Air Force Base, Fort Dix, NJ. I worked for Atty. Louis Bizzari, of the U.S. Department of Justice, Camden, Federal Building, 401 Market Street, 4th floor, Camden, NJ 08101, 856.757.5412. A woman was injured by an automatic door that closed prematurely. I analyzed the logic control of the optical sensors in order to understand the cause of the accident.

52. On January 11, 2006, I visited Kamen Industries, Fuzing Division, 217 Smith Street, Middletown, CT 06457, 860.632.4348. They had a machine which “shocked” a test board with a force 10,000 times that of gravity. They needed to make sure the circuit boards and components
were rugged enough to be used in the explosive they develop. I investigated the machine, as well as an accident that occurred in connection with it.

53. On the February 20, 2006, I began an investigation in to a fire that occurred in a parked luxury bus. The bus was manufactured by MCI (Motor Coach Industry). Arrow Bus Company (through their insurance company) was seeking damages from MCI. I confirmed what a previous inspector had shown. The fire was electrical in origin; it was caused by Pyrolysis. This work was done for Attys. Andrew Cohen and Alex Cuda, Letizia, Ambrose and Falls, P.C., One Church St., New Heaven, CT 06519 (203)-787-7000.

54. On July 25, 2006, I did another job for Connecticut Analytical Corporation. They are developing “Exit” signs for buildings. These signs are lighted by battery. They are made of LED’S (light emitted diodes). Normally LED’S shine as a point or pixel. They wanted to develop large LED’S, such that one LED could constitute an entire line. I did a yield study for them.

55. On October 14, 2006, I did a case for Ms. Catherine Moore. She was injured on the exercise treadmill machine on the Princess Cruise line to the Grand Cayman Islands. I visited the ship while it as in port in NY city. I obtained the computer codes and codes from microprocessor. This enabled me to speak to the issue of the failure of the machine to stop when Ms. Moore pressed the stop button.

56. On November 20, 2006, I visited the CSI (Cold Storage Integrated) facility located at 1 Enterprise Boulevard in Secaucus; NJ.I investigated an electric shock that occurred to an employee Mark Meyer. I discovered that his accident was caused by his own negligence in observing electric safety protocols, and I gave details of the same. Mr. Meyer is a licensed master Electrician. This work was done for Attorney Jaime A.O’ Brien, 382 Springfield Avenue, Summit, NJ 07902-0690

57. On December 4, 2006, I made a site investigation to the company Ultimate Display, 100 Spence Street, Bay Shore, NY. An employee had both of his hands cut off while trying to remove a "clog" of plastic parts in a thermo former machine. I represented Attorney Joseph Dell. This investigation is on going. The machine was turned OFF before the accident by 2 different switches. Yet, it went ON and injured the employee.

58. On February 1, 2007, I testified in Kings Country Supreme Court, Brooklyn, NY against the Transportation Authority of New York City. A man was using a sandblaster to scrape paint off of the Verrazano Bridge. He turned off the sandblaster and removed his protective shields. The sandblaster (though off) turned on, hit the man, and caused permanent muscle damage to him. I found a defect in the electronics controls that caused this.
Joyce Hu

1. Publications

Journal Papers


Conference Papers


2. **Presentations and Talks**

   - Paper Presentation, IETA06, 2006
   - Paper Presentation, ASME-IMECE, 2006
   - Paper Presentation, 9th AIAA/ASME JTHTC, 2006
   - Paper Presentation, IETA05, 2005
   - Poster Presentation, Graduate Research Show Case, University of Missouri-Rolla, 2005
   - Invited Seminar, University of Hartford, 2006
   - Invited Seminar, Generation Motors R&D Center, 2001

3. **Submitted Grant Proposals and Their Status**


4. **Honors**

   - Dean’s Fellowship, UMR, Rolla, MO (1999 – 2002)
   - Graduate Fellowship, UMR, Rolla, MO (1999 – 2000)
   - Excellent Academic Paper, Huazhong University of Science & Technology, China, (1997)
5. Workshops & Trainings

- Laser Applications in Manufacturing Processes Seminar, University of Hartford, CT, 2006
- STAR-CCM+ (CD-adapco) new user training, Detroit, MI, 2006
- COMSOL Multiphysics Workshop, Hartford, CT, 2006
- FLOTHERM web Demos and web seminars, 2005 – present
- NSF Regional Grants Conference, College Park, Maryland, 2006
- DoD SBIR Proposal Workshop, New Britain CT, 2006
- TRUST WISE Program, University of California – Berkely, CT, 2006
- Laser Hole Drilling Workshop, Hartford, CT, 2005

6. Professional Services

Reviewer
- Metallurgical and Materials Transactions B
- International Conference on Industrial Electronics, Technology & Automation (IETA)
- European Control Conference

Conference Committees

Other Professional Services
- Campus Director of Connecticut Space Grant College Consortium (University of Bridgeport), 2007 – present.

7. Other Activities

2. Served as ASME Heat Transfer Division K-15 Committee webmaster.
3. Attended CT Space Grant Consortium Kick-off meeting at Pratt & Whitney with other faculty and students from School of Engineering.
4. Attended a Grant Presentation titled “Grants: the Keys to Effective Grant Seeking and Management” by Ms. Bakalar to UB faculty and staff on Nov. 16, 2006.
5. Attended a web seminar “Analysis of Subsonic Fluid-Structure Interaction and Supersonic Store Separation Using FLUEN
8. Attended CT Space Grant Consortium Kick-off meeting at Pratt & Whitney with other faculty and students from School of Engineering, Feb. 2, 2007.
9. Attended a Grant Presentation titled “Grants: the Keys to Effective Grant Seeking and Management” by Ms. Bakalar to UB faculty and staff on Nov. 16, 2006.
11. Developed and taught three courses in Fall 2006 semester and Spring 2007 semester, including MEEG505 Welding Engineering which was developed by me.
12. Obtained 2 free licenses of FLOOTHERM software from Flomerics for MEEG 503 Electronics Cooling in Fall 2006 semester.
13. Obtained 10 free licenses of CFD software STAR-CCM+ from CD-adapco for MEEG 512X Computational Fluid Dynamics in Spring 2007 semester with the exchange of user reports, classroom outlines and/or manuscripts.
14. Attended Distance Learning instructors meeting on 02/01/2007.
15. Visited Festo headquarters in Long Island, NY with Mr. Abuzneid, Dr. Guputa and Dr. Xiong on 11/17/2006.
17. Helped with student registrations and advised students for both Fall 2006 and Spring 2007.
20. Interviewed two EE and one TGMT faculty Candidates in 2006.
List of publications in the last 10 years:


List of articles in the refereed journals:


List of presentations and publications in the proceedings:


11. Iterative Learning from Positive Data and Negative Counterexamples. (with S. Jain), presented at 17th International Conference on Algorithmic Learning Theory (ALT’2006), Barcelona, Spain, October 2006. Published in Lecture Notes in Artificial Intelligence, vol. 4264.

12. Learning and Extending Languages” (co-authored by S. Jain), presented at 17th International Conference on Algorithmic Learning Theory (ALT’2006), Barcelona, Spain, October 2006. Published in Lecture Notes in Artificial Intelligence, vol. 4264.

ELIF KONGAR
SUMMARY OF ACADEMIC AND COLLEGE ACTIVITIES

Memberships/Affiliations
• Beginning of June 2006, Services Management and Engineering concentration is offered for the Department of Technology Management, which is being offered in Spring 2007.
• Member, University of Bridgeport, Library Committee, Fall 2006.
• Member, Scientific Program Committee, SPIE International Conference on Environmentally Conscious Manufacturing V, October 1-4, 2006, Boston, MA, USA.
• Member, LODER Third Logistics Contest Jury, 2007, Istanbul, TURKEY.
• Member, Program Committee, International Logistics Conference, Istanbul, TURKEY.
• Member, Society of Women Engineers, October 15, 2006.
• Member, TASSA, October 17, 2006.
• Faculty representative, Jack Kent Cooke Foundation, October 31, 2006.

Publications

Conferences, Workshops, and Meetings Attended
2. Connecticut SBIR Workshop, Hartford, CT, October 2006.
3. National Science Foundation Workshop, Maryland, DC, October 2006.
5. Julie Linden, Director of Sustainability at Yale University, New Haven, CT, December, 2006.
6. Various Meetings with Industrial Committee Members, Center for Industrial Ecology, Yale University, New Haven, CT.
**Contribution to College and Departments**

1. Contacted IBM Corporation for recognition on the new Technology Management concentration which resulted in University of Bridgeport’s program being placed in two different web pages in IBM’s web site. This 3-month communication resulted in the campus visit of Deb Raftery, Sr. University Relationship Manager, IBM Academic Initiative, and Paul Kontogiorgis, SSME Ambassador, IT Services Curriculum Program Director, IBM Almaden Research Center.


5. Directing and advising the interactive web application development, OCEAN for School of Engineering.


11. Interviewed with CT Post, on February 13th regarding women in engineering.

**Other Academic Studies**

1. Part-Time Research Fellow, Working at the USGS project at Yale University, School of Forestry, Center for Industrial Ecology, since September, 2006.


3. Part-Time Research Fellow, Yale University, School of Forestry, Center for Industrial Ecology, since December 1st, 2005.

**Working Papers**


**G. Working Papers**

**On-going proposals**

Yale University for the “Service Lifetimes of Mineral End Uses” project, a USGS Mineral Resources External Research Program 2006 (Yale University award number P00247).

**Working Proposal**

National Science Foundation, EEC program in Engineering Education, PD 05-1340.
Jeongkyu Lee
Academia activities for the last 10 years

Journals and Book Chapters


Refereed Conference Papers


**Under Review**

18. Jeongkyu Lee, and JungHwan Oh. A graph-based approach for modeling and indexing video. *Submitted to the Journal of Computer Vision and Image Understanding*


**Oral Presentations**


23. SPIE Electronic Imaging, San Jose, California, 2007.


Grants
I have experience writing grants with my Ph.D. advisors for

Dr. Jeongkyu Lee is invited as a speaker of invited talk at Sogang University, Seoul Korea. He will present his research of Multimedia and Databases on March 14, 2007.

Dr. Jeongkyu Lee and his colleague, Dr. JungHwan Oh at University of North Texas will organize the 1st International Workshop on Multimedia Data Mining and Management (MDMM’07) in conjunction with DEXA 2007. The workshop will be held in Regensburg, Germany on September 3-7 2007.

Dr. Jeongkyu Lee presented his research work at the 8th IEEE International Symposium on Multimedia (11-13 December 2006, San Diego). Recently, his research paper was accepted by ISM 2006, titled “A Graph-based Approach for Modeling and Indexing Video Data”

Dr. Jeongkyu Lee and his students, Subodh Shah and Progya Rajauria, had an accepted paper by SPIE Electronic Imaging (Jan 28 – Feb 1, 2007 San Jose). Mr. Subodh Shah will have a presentation for the paper, “A Model-based Conceptual Clustering of Moving Objects in Video”

Dr. Jeongkyu Lee and his colleagues at University of North Texas and University of Texas South Western Medical Center, recently received the acceptance notice of submitted paper regarding to Wireless Capsule Endoscopy videos from ACM Symposium on Applied Computing 2007. He will present his research work during the conference (March 11-15, 2006 Seoul, Korea)

Dr. Jeongkyu Lee and his students of the Department of Computer Science and Engineering had several publications including journals, and conference papers recently.


Gonhsin Liu
Consulting a cellular phone manufacturer in Taiwan --major subjects: mobile multimedia, 3G-WCDMA systems

Ausif Mahmood - Publications – Last 10 Years:

Journal Publications:


Guest Editor for a Special Issue of a Journal:


Refereed Conference Publications:


(accepted as a long paper, also was chosen to be the starting paper in the conference)


Funded Grant Proposals:

   
   Budget: $50,000 (direct cost) for August 1995-July 1997.

   
   Budget : $10,000

Conference Technical Program Chair:
International Joint Conferences on Computer, Information and Systems Sciences and Engineering, 2005

Conference Technical Program Chair:
International Joint Conferences on Computer, Information and Systems Sciences and Engineering, 2006
Luu Pham

Member of a team to design the original concept of the personal postage printer. The Pitney Bowes Stamp Expressions Printer was introduced to consumers in Nov 2006. (http://www.pb.com/cgi-bin/pb.dll/jsp/ProductCategory.do?catOID=-18850&lang=en&country=US)


Co-owner of an application patent entitled SIMULTANEOUS VOICE AND DATA SYSTEMS FOR SECURE CATALOG ORDERS, accepted by Pitney Bowes Intellectual Property & Technology Law office on Dec. 27, 2006.
Saikat Ray
10 years

Publications

Publications in Refereed Journals


Publications at Refereed Conferences


[C7] Saikat Ray, Anup K. Gogoi and Ranjan K. Mallik, “Closed Form Expression for Mutual Partial Inductance between Two Skewed Linear Current Segments”, in

Workshops


GRANT PROPOSALS WRITTEN

“Collaborative Research: Principled Robustness for the Next Generation Internet,” Roch Guérin, Saikat Ray, Saleem A. Kassam, Vince Poor; submitted to NSF.

“Robust Large-Scale Ocean Surveillance Networks with Applications to Sonobuoy Systems,” Roch Guérin, Saikat Ray, Saleem A. Kassam, Zhi-Li Zhang, Rochard E. Dator; submitted to ONR.

INVITED TALKS


Professional Activities:

Reviewer for INDIN 2007; IEEE Transactions on Networking; IEEE Transactions on Wireless Communications.


Papers in progress


Talks


Presented a talk on “Ontology Engineering: Construction and Intelligent Reuse of Ontology in semantic web,” at Computer Science and Engineering Department of Old Dominion University, Norfolk VA, November 28, 2005.

Presented a talk on “Reduced Computational Complexity Algorithm for Signal Detection and Estimation of Wireless DS-CDMA Multi-user Receivers,” at Wireless Communications & Network Lab of Electrical and Computer Engineering Department, Old Dominion University, Norfolk VA, April 08, 2005.

Selected Research Project

Selected Research Project January 2006 – July 2006
Virginia Modeling, Analysis, and Simulation Center (VMASC),
Electrical and Computer Engineering Department,
Old Dominion University, Norfolk, VA
In this research work, I was working as one of the team members on a project called “Integrating the joint operation feasibility tool” (JOFT) with “Joint Flow and Analysis System for Transportation” (JFAST) for the Joint Forces Command (JFCOM). The JOFT is a model of logistics deployment and sustainment feasibility in the context of the effects base approach for Joint operations. On the other hand, JFAST is a more detailed force deployment and planning tool that can perform transportation feasibility analyses from the origin to the theatre of war, course of action analysis and evaluate what-if scenarios. I was mainly responsible to analyze JOFT and JFAST to design and develop an architecture or framework for integrating these two simulation models.

Graduate Student Researcher August 2005 – December 2005
Virginia Modeling, Analysis, and Simulation Center (VMASC),
Electrical and Computer Engineering Department,
Old Dominion University, Norfolk, VA
My research was primarily focused on the study of variety of serious games like realistic games (SOCOM, SIMS, NFL etc.) and fictional games (Grand Theft-Auto, Unreal tournament etc.) from social realism point of view. In this research, I was mainly involved in building a generic game model to achieve true social realism in serious games. Furthermore, I performed a comprehensive research for a performance analysis of both open source and commercial game engines like Delta3D, OGRE, Crystal Space, and JME. The technology and tools used in this research are like ODE and AERO (rigid body simulation), OpenAl for 3D audio, and OSG and FOX (3D graphic toolkits).

Graduate Research Assistant April 2004 – December 2004
Electrical and Computer Engineering Department,
Old Dominion University, Norfolk, VA
During this period, I conducted on a bioinformatics project called “Cluster Based Searching of Multiple Protein Sequence Databases” for Eastern Virginia Medical School (EVMS). I was mainly involved in the design and implementation of a Linux based cluster search engine for finding the desired proteins in input and outputs sequences from multiple databases. I worked on variety of tools and script languages like Perl and Shell script, Linux cluster, MPI, C/C++, and Cactus framework.
Research Assistant August 2003 – December 2003

Computer Science department,
Old Dominion University, Norfolk, VA
I was involved in developing a pure peer to peer digital library project called “Free-Lib P2P Digital Library” which includes the implementation of a rich metadata-based search engine and publishing services. Furthermore, I performed the fundamental research to address the issues involved in the design, implementation, deployment, and evaluation of a sustainable digital library that supports dynamic evolution of communities.

Tester and Analyst of SRMA June 2003 – July 2003

Technology Application Center (TAC),
Old Dominion University, Norfolk, VA
I performed a comprehensive testing and analysis of a secure remote management appliance (SRMA™) designed and developed by Engedi Technologies. I designed and developed a complete lab environment of CISCO routers for SRMA™ testing and analysis where I was responsible for configuring and installing CISCO routers such as modular access router (CISCO 1700) and VPN router (CISCO 7400) etc. in addition, I designed and developed the test-plan implementation, executing product level and system level test plan, selecting management tolls, identifying the problems, and validating the overall SRMA™ capabilities. Finally, I was involved in the verification and implementation of network based applications such as simple net management protocol (SNMP) and common management information protocol (CMIP), centralized authentication servers (TACACS and RADIUS), and syslog servers.
Gad J. Selig

PUBLICATIONS:


Chapters in Books:

Refereed Articles/Conference Proceedings/Sponsored Papers:


Selig, Gad J., “Managing Accelerating Change and Innovation,” SNEC PMI Chapter Meeting, February 6, 2007, Marriott Courtyard, Orange, CT.

Selig, Gad J., “The Growing Importance of the Project Manager’s Role in Successful Strategic Sourcing,” SNEC PMI Chapter Meeting, December 5, 2006, Crown Plaza Hotel, Southbury, CT.


Selig, Gad J., “ABC’s of Outsourcing including ASPs, ISPs, NSPs, Integrators, e-Business and Software Developers,” ASPWorld Conference and Expo, San Jose, CA, October 3-6, 2000.


PROFESSIONAL ASSOCIATIONS, MEMBERSHIPS, HONORS, CERTIFICATIONS and ADDITIONAL INFORMATION:
• COP Certification - Awarded the “Certified Outsourcing Professional (COP)” certificate by the International Association of Outsourcing Professionals, December 2006.
• Elected into Delta Mu Delta, the National Honor Society in Business Administration, June, 2004
• Certified as a Project Management Profession (PMP) by PMI (Project Management Institute) and member of PMI, January, 2003 to Present
• Winner – CT Business Plan Competition – Advisor to MBA and TM student teams that won the CT Business plan competition in the Fall, 2005, Spring 2006 and Fall 2006.
Abhilasha Tibrewal
Publications

Conference Papers

Journal Papers

Grants
• A. Tibrewal, “University of Bridgeport’s Proposal for NACME Block Grant Program”, Submitted to NACME Inc., April 2006.

OTHER SCHOLARLY/RESEARCH ACTIVITIES
• Reviewer, CISSE 2005 and 2006.
• Served as judge for Science Fairs of Bridgeport Schools 2005, 2006 and 2007.
• Served as a panelist for a presentation entitled “Assessing Outcomes of Student Learning in the New England Region” by Dr. R.C. Froh (Associate Director, CIHE and NEASC), November 2002.
• Attended NSF Regional Grants Conference, University of Maryland, October 23-24 2006.
Henri Van Bemmelen
Consulting work. A notable consulting job was to research and then manage a program to develop a new biometric computer based personal authentication system.

Within the last year I developed several business decision simulators which can and have been used in class to simulate the consequences of making different departmental productivity assumptions about decisions and external conditions

Last Fall a team in my project management class prepared an excellent paper and concept (including CD ROM) about the needs & requirements for on line training, etc for the distance learning program.
Xingguo Xiong

PUBLICATIONS


3. X. Xiong, Y. Wu, and W. Jone, “MEMS Yield Simulation with Monte Carlo Method”, IEEE International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE’06), Dec. 4-14th, 2006, accepted to be published.


**PATENTS**


**PROPOSAL SUBMISSIONS**


- Xingguo Xiong, “Noise Reduction and Defect Tolerance for Nanotube Logic Circuits”, submitted to *Microsoft New Faculty Fellowship Awards 2006*, University of Bridgeport, 10/10/2005.


• Member of Connecticut Nanotechnology Curriculum Committee, 2006-present. The goals of the committee are to develop curriculums for nanotechnology programs in Connecticut state, and to build a "clearinghouse" where courses open to students from throughout public and independent colleges and universities can be delivered.

• Wen-Ben Jone, Xingguo Xiong, “Built-in self-test and self-repair of capacitive MEMS devices”, submitted to Ohio OBR (Ohio Board of Regents), University of Cincinnati, 2003. The proposal was approved and resulted in funding of $36,000.00.

• Xingguo Xiong, “Redundancy repairing for MEMS devices”, submitted to University of Cincinnati Summer Graduate Research Student Fellowship, 2004-2005. The proposal was approved for two consecutive years and resulted in funding of $5,100.00.

• Deren Lu, Xingguo Xiong, et al, “MEMS microgyroscope and MEMS material properties measurement research”, submitted to China National 973 Pivotal Program, National Laboratory of Transducer Technologies, Shanghai Institute of Microsystem and Information Technology, China, 1998. The proposal was approved successfully and resulted in a research funding of ¥800,000.00 (about $100,000.00).

Xingguo Xiong

Reviewer

• A reviewer of European Control Conference 2007 (ECC'07), July 2-5, 2007, Kos, Greece.

• A reviewer for International Journal of Analog Integrated Circuits and Signal Processing (MWSCAS05), Springer, USA.

• A reviewer of IEEE International Workshop on Strategies for Energy Efficiency in Ad Hoc and Sensor Networks (IEEE IWSEEASN'05), April 7-9, 2005, Phoenix, Arizona, USA.

University Service

• University faculty senate representative for School of Engineering, University of Bridgeport: 09/2005-present.

• Library liaison for Department of Electrical Engineering, University of Bridgeport: 09/2005-present.
• Admission committee member for Department of Electrical Engineering, University of Bridgeport: 09/2005-present.

**Professional Activities**

• Member of IEEE.
• Member of Connecticut Nanotechnology Curriculum Committee, 2006-2007.
• A reviewer of European Control Conference 2007 (ECC'07), July 2-5, 2007, Kos, Greece.
Linfeng Zhang
Journal and Conference Publication

1. Md. H. Rahman, Linfeng Zhang, Ratna Naik, Simon Ng, Zariff chaudhury, Gregory Auner, Golam Newaz, Growth of AlN thin films on 6H-SiC and 3C-SiC for H2 sensing diode structures, J. of Crystal Growth, Submitted

2. L. Zhang, E. F. McCullen, L. Rimai, R. Naik, G. W. Auner, K. Y. S. Ng “Reverse Response Transients in a Pd-Ni/AlN/n-Si Hydrogen Sensor” Sensors and Actuators B, online


4. Linfeng Zhang, E. F. McCullen, L. Rimai, R. Naik, G. W. Auner, K.Y. S. Ng, “Performance of a MIS Type Pd-Cr/AlN/Si Hydrogen Sensor” 2004 MRS Fall Meeting Proceedings A 5.4.1-A 5.4.5


Proposal
Rapid localization detection of odorants by living and artificial systems, NRC Research Associateship Program – Joint NIH/NIST Program, Linfeng Zhang, 2005

Presentations


4. L. Zhang, E. F. McCullen, L. Rimai, R. Naik, G. W. Auner, K. Y. S. Ng “Pd/Cr Gates for a MIS Type Hydrogen Sensor” 2004 AIChE Annual Meeting, Austin, TX, Nov. 7-12, 2004

5. L. Zhang, E. F. McCullen, L. Rimai, R. Baird, R. Naik, G. W. Auner, K. Y. S. Ng “Stable Pd-Cr gates of a MIS Type Hydrogen Sensors” 31st Annual Spring Symposium AVS-MI, Detroit, MI, May 17, 2004 (Poster Session)