

CURRICULUM VITAE

Yufei Huang
Associate Professor

I. GENERAL INFORMATION**A. Personal Data:****B. Education:**

- a. Ph.D. Electrical Engineering, State University of New York at Stony Brook 1997-2001
- b. M.S. Electrical Engineering, State University of New York at Stony Brook 1996-1997
- c. B.S. Applied Electronics, Northwestern Polytechnic University, China 1992-1995

C. Academic Appointments (chronological with latest first):

- a. Associate Professor Dept. of Electrical and Computer Engineering The University of Texas at San Antonio *since 4/2007*
- b. Adjunct Professor Dept. of Epidemiology and Biostatistics UT Health Science Center at San Antonio *since 6/2007*
- c. Assistant Professor Dept. of Electrical and Computer Engineering The University of Texas at San Antonio 9/2002 - 3/2007
- d. Postdoctoral Associate State University of New York at Stony Brook 9/2001-8/2002

D. Other Employment:

NA

E. Consulting:

NA

F. Certification and Licensure:

NA

G. Honors and Awards:

- a. Best Paper Award, Artificial Neural Networks In Engineering Conference, 2006
- b. Career Award, National Science Foundation, 2005
- c. Best Paper Award, IEEE Signal Processing Magazine, 2007

II. TEACHING**A. Classroom/Laboratory:**

<u>Date</u>	<u>Course</u>	<u>Level</u>
Fall, 2002 and 2003;	Random Signals and Noise	G
Spring, 2003, 2005, 2006 and Fall, 2005	Digital Signal Processing	U
Spring, 2004	Graduate Seminar	G
Spring, 2004, Fall 2005	Detection and Estimation Theory	G
Fall, 2004	Monte Carlo Bayesian Signal Processing	G
Fall 2006, Spring 2007	Bayesian Signal Processing	G
Spring 2007, 2008	Signals and Systems 1	U
Fall 2007	Computational Genomics	G

Level: Undergraduate (U), Graduate (G)

B. Instructional Development:

1. Courses Developed (Course number, title, date)

- a. EE5263 Detection and Estimation Theory, Spring 2004
- b. EE5263 Monte Carlo Bayesian Signal Processing, Fall, 2004
- c. EE5263 Bayesian Signal Processing, Fall, 2006
- d. EE5263 Computational Genomics, Fall 2007

2. Media and Software Developed

C. Masters' Theses and Ph.D. Dissertations Directed

1. Masters

- a. *Jiayin Wang*, Bayesian Inference of Cell Cycle Regulatory Networks using Dynamic Bayesian Networks," MS, May, 2006
- b. *Chia-ping Wei*, Multiuser detection by probabilistic data association," MS,,May, 2004;
- c. *Khanh Quoc Vu*, Outliers "Itering using the Gini's mean difference," MS, July, 2004;
- d. *Jia Meng*, "Enrichment constrained time dependent clustering analysis of time series data," MS, August 2008.

2. Ph.D. Dissertation

- a. *Isabel Tienda Luna*, "Bayesian Signal Processing in Communications and Genomics" PhD, co-advising with Dr. Diego Pablo Ruiz Padillo from University of Granada, Spain, graduated July, 2006
- b. *Yufang Yin*, Bayesian Signal Processing in Communications and Genomics PhD, May 2007
- c. *Tao Wei*, Expectation Propagation Algorithm for Inference in Dynamic Systems PhD, Dec, 2007

D. Membership on Graduate Committees

1. Masters

- a. *Alla Srikrishna*, Novel Method of Image Reconstruction Using Tensor Representation -Its Applications in Positron Emission Tomography," MS thesis defense
- b. *Shih-Chia Liu* \Method of Tensor Representation for Reconstruction of Image from Projections," MS thesis defense
- c. *Jung-Hua Liao*, \New Methods of Filtering for 1-D Signals by the Paired Transform," MS thesis defense
- d. *Pavan Kumar Darvemula*, Content-based MPEG video indexing using hierarchical petrinets," MS thesis defense
- e. *Chris Woodland*, \Optimal Control Using Chebyshev Pseudo-spectral Method with Application to Raptor Helicopter," MS thesis defense

2. Ph.D. Dissertation

- a. *Jeniffer Neary*, Genome Evolution and Metabolic Networks in Enterobacteriaceae," PhD preliminary proposal defense
- b. *Madhusudhan-Reddy Musku*, Game Theoretic Approach to Quality of Service and Resource Management in Wireless Systems." PhD preliminary proposal defense
- c. *Prasad Yaddanapudi*, \Multi-user Ultra Wideband Communication Systems", PhD preliminary proposal defence
- d. *Chris Smith*, Parametric techniques and their use in information hiding and recovery," PhD preliminary proposal defense
- e. *Fatma Arslan*, Image Enhancement and Directional Denoising by Paired Transform,"PhD preliminary proposal defense
- f. *Hong Cai*, New Blind Steganalysis Methods," PhD defense
- g. Long Chen

- h. Catalin Lacatus
- i. Madhusudhan Reddy Musku
- j. Jie Yu (CS)
- k. Santish Penmatsa (CS)

E. Postdoctoral Fellows Supervised

F. Undergraduate Students (Research) Supervised

- a. James R. Perez (NSF LSAMP)
- b. Adrian Alfonso (NIH MARC Program)
- c. Renan Moreira (NIH MARC Program)

III. RESEARCH

A. Bibliography:

1. Books/Book Chapters

1a. Books

1b. Book Chapters

1. Y. Huang and E. Dougherty, "Probabilistic Boolean Networks as Models for Gene Regulation," in Dehmer, Emmert-Streib (Ed.): *Analysis of Microarray Data*, Wiley-VCH, Jan. 2008.

2. *Journal Papers (refereed full length)*

2a. Published or In Press

1. **Y. Huang**, I. T. Luna, and Y. Wang, "A survey on statistical models for reverse engineering gene regulatory networks," *IEEE Signal Processing Magazine*, Jan. 2009.
2. "Adaptive Sensor Fault Detection and Identification Using Particle Filter Algorithms," Tao Wei, **Yufei Huang**, and C. L. Philip Chen, *IEEE Journal on SMC*, to appear, Feb, 2009
3. T. Luna, Y. Yin, Y. Huang, D. P. R. Padillo, and Y. Wang, "Uncovering gene networks using variational Bayesian variable selection," *Special Issue of Computational Biology, the Artificial Life Journal*, No 14, Jan, 2008
4. Y. Huang, J. Zhang, J. Zhang, M. Sanchez, and Y. Wang, "Bayesian Inference of Genetic Regulatory Networks from Time Series Microarray Data Using Dynamic Bayesian Networks," *Journal of Multimedia*, Vol3. No 2, pp 46-56, June 2007
5. I. T. Luna, Yin, Y. Huang, D. P. R. Padillo, H. Cai, M. Sanchez, and Y. Wang, "Inferring the Skeleton Cell Cycle Regulatory Network in Malaria Parasite using Comparative Genomic and Bayesian Approaches," *Genetica*, Vol 132, No. 2, pp 131-142, June 2007
6. I. T. Luna, Y. Yin, Y. Huang, D. P. R. Padillo, and Y. Wang, "Uncovering gene regulatory networks from time series microarray data with variational Bayesian structural expectation maximization," *EURASIP Journal on Bioinformatics and Systems Biology*, June, doi:10.1155/2007/71312
7. **Y. Huang**, J. Zhang, and P. M. Djurić, "Bayesian Detection for BLAST," *IEEE Transactions on Signal Processing*, vol. 53, no. 3, pp. 1086-1096, March, 2005
8. **Y. Huang**, J. Zhang, I. T. Luna, P. M. Djurić, and D. P. R. Padillo, "Adaptive blind multiuser detection over flat fast fading channels using particle filtering," *EURASIP Journal on Wireless Communications and Networking*, 2005:2, 130-140, 2005
9. **Y. Huang** and P. M. Djurić, "A hybrid importance function for particle filtering," in *IEEE Signal Processing Letter*, Feb., 2004.
10. **Y. Huang** and P. M. Djurić, "A blind particle filtering detector of signals transmitted over flat fading channels," *IEEE Transactions on Signal Processing*, pp. 1891-1900, July, 2004.

11. P. M. Djurić, J. M. Kotecha, J. Zhang, **Y. Huang**, T. Ghirmai, M. F. Bugallo and J. Míguez, "Particle filter," *IEEE Signal Processing Magazine*, 19-38, September, 2003.
12. **Y. Huang** and P. M. Djurić, "Variable selection by perfect sampling," *EURASIP Journal of Applied Signal Processing*, no. 1, pp. 38-45, January, 2002.
13. P. M. Djurić, **Y. Huang**, and T. Ghirmai, "Perfect Sampling: A review and its applications to signal processing," *IEEE Transactions on Signal Processing*, vol. 50, no. 2, pp. 345-356, February, 2002.
14. **Y. Huang** and P. M. Djurić, "Multiuser detection of synchronous Code-Division Multiple-Access signals by perfect sampling," *IEEE Transactions on Signal Processing*, vol. 50, no. 7, pp. 1724-1734, July, 2002.
15. P. M. Djurić and **Y. Huang**, "Estimation of a Bernoulli parameter p from imperfect trials," *IEEE Signal Processing Letters*, vol. 7, no. 6, pp. 160-163, 2000.

2b. Submitted/Under Preparation.

1. T. Hestilow, Y. Huang, "Clustering of microarray data based on shape information," *EURASIP Journal on Computational Biology and Bioinformatics*, 2nd round review
2. D. Yue, H. Liu, and Yufei Huang, "Survey of Computational Algorithms for MicroRNA Target Prediction," Special Issue on Special Issue on Genomic Signal Processing, *Current Genomics*, under review.
3. J. Zhang, Elias Gonzalez, Travis Hestilow, Willam Haskins, Yufei Huang, submitted to "Review of Peak Detection and Feature Selection Algorithms in Liquid-Chromatography Mass Spectrometry" Special Issue on Special Issue on Genomic Signal Processing, *Current Genomics*, under review
4. J. Zhang, Xiaobo Zhou, Honghui Wang, Anthony Suffredini, Lin Zhang, Elias Gonzalez, Yufei Huang, Stephen Wong, "Bayesian Peptide Peak Detection for High Resolution TOF Mass Spectrometry." submitted to *Journal of American Society of Mass Spectrometry*.
5. J. Meng, S-J Gao, Y. Huang, "Enrichment Constrained Time-Dependent Clustering Analysis for Finding Meaningful Temporal Transcription Modules," *Bioinformatics*, under review

3. Conference Papers

3a. Published or Accepted

1. J. Zhang, W. Haskins, Y. Huang, "Statistical modeling of LC/MS peaks", Poster presented at the 11th RCMI International Symposium on Health Disparities, December, 1-4, 2008, Honolulu, Hawaii.
2. H. Liu, D. Yue, S-J. Gao, Y. Huang, "A machine learning algorithm for microRNA target identification," *IEEE Workshop on Genomic Signal Processing and Statistics*, June, 2008.
3. J. Meng, S-J Gao, Y. Huang "Iterative signature clustering for analyzing time series microarray data," *IEEE Workshop on Genomic Signal Processing and Statistics*, June, 2008.
4. Hui Liu, Dong Yue, Lin Zhang, Yufei Huang, "A SVM Based Approach for miRNA Target Prediction," *ICMLC*, July 2008
5. J. Meng, J. Zhang, Y. Huang, "Finding Time Varying Transcription Modules through Time Series Microarray Data," *ICMLC*, July 2008
6. Lin Zhang; Jianqiu Zhang; Xiao-Bo Zhou; Hong-Hui Wang; Yufei Huang; Hui Liu; Wong, S. "Feature selection and classification of prO-TOF data based on soft information, *Proceedings of International Conference on Machine Learning and Cybernetics*, Volume: 7 Date: 12-15 July 2008, Page(s): 4018-4023.
7. Y. Huang, I. T. Luna, and Y. Wang, "A survey on statistical models for reverse engineering gene regulatory networks," *IEEE Signal Processing Magazine*, Jan. 2009.
8. Jianqiu Zhang, Honghui Wang, Anthony Suffredini, Denise Gonzales, Elias Gonzalez, Yufei Huang, Xiaobo Zhou, "Bayesian Peak Detection for pro-TOF MS MALDI Data," *IEEE International Conference on Acoustics, Speech and Signal Processing*, April 2008

9. L. Zhang, J. Zhang, Y. Huang, X. Zhou, "A Novel Feature Selection and Disease Classification Algorithm Using Probabilistic Information of Peptide Peaks in MALDI proTOF data", Poster presented at American Society of Mass Spectrometry Conference, Denver, June 1–5, 2008
10. Yufei Huang, Yufang Yin, and Jianqiu Zhan, Bayesian integration of Microarray data for uncovering gene networks., IEEE Workshop on Statistical Signal Processing, Sept, 2007
11. Travis J. Hestilow, James R. Perez, Yufei Huang, Clustering Of Gene Expression Data Based On Shape Similarity," June, International Conference on Biocomp, June, 2007
12. Jia Meng, Jianqiu Zhang , Yufei Huang, Bayesian meta-clustering of cancer microarray data," IEEE Workshop on Statistical Signal Processing, Sept, 2007
13. Y. Yin, Y. Huang, V. Shanmugam, M. Brun and Edward R. Dougherty, A Bayesian Approach for Uncovering Gene Network Motifs," IEEE Workshop on Genomic Signal Processing and Statistics, 2007.
14. Y. Jin and Y. Huang, Adaptive control and stability analysis of genetic networks with SUM regulatory," Artificial Neural Networks In Engineering Conference, 2006.
15. Y. Yin and Y. Huang, Turbo data integration for uncovering gene networks," IEEE/NLM Life Science Systems and Applications Workshop, 2006
16. I. T. Luna , Y. Yin, Y. Huang, D. P. R. Padillo, M. C. C. Perez, Uncovering gene regulatory regulatory networks using variational Bayes variable selection," IEEE International Workshop on Genomic Signal Processing and Statistics, May, 2006.
17. J. Wang, Y. Huang, J. Zhang, M. Sanchez, and Y. Wang, Reverse engineering yeast gene regulatory networks using graphical models," IEEE International Conference on Acoustics, Speech, and Signal Processing, 2006
18. T. Wei, Y. Huang and P. Chen, Particle Filtering for Adaptive Sensor Fault Detection and Identification," IEEE International Conference on Robotics and Automation, 2006
19. T. Wei, Y. Huang and P. Chen, Sensor validation for flight control by particle filtering, (Invited), European Signal Processing Conference, Sept. 2005
20. T. J. Hestilows, T. Wei and Y. Huang, \Sensor scheduling and target tracking using expectation propagation," IEEE Workshop on Statistical Signal Processing, July 2005
21. M. Tienda-Luna, D. P. Ruiz, M. C. Carrion, and Y. Huang Iterative decoding in Factor Graph representation using Particle Filtering," IEEE workshop on Signal Processing Applications in Wireless Communications, New York, June, 2005
22. Y. Huang, Y. Wang, J. Wang and J. Zhang, Bayesian Inference of Cell Cycle Regulatory Networks," IEEE/EURASIP International Workshop on. Genomic Signal Processing and Statistics, May, 2005
23. Y. Huang, Y. Yin and J. Zhang, Belief-Directed Sequential Probabilistic Data Association Multiuser Detector," IEEE International Conference on Acoustics Speech and Signal Processing, March, 2005.
24. T. Wei, Y. Huang and Y. Qi, Symbol Detection with Time-varying Unknown Phase by Expectation Propagation," IEEE International Conference on Acoustics Speech and Signal Processing, March, 2005.
25. Y. Yin, Y. Huang, and J. Zhang, \Joint symbol detection and timing estimation with Stochastic M -algorithm," in *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, 2004 Y. Huang, and J. Zhang, \A Generalized Probabilistic Data Association Multiuser Detector for CDMA systems," in *Proceedings of the IEEE International Symposium on Information Theory* , June, 2004
26. Y. Yin, Y. Huang and J. Zhang, Turbo Equalization using Probabilistic Data Association, in *Proceedings of IEEE Globecom*, Dec. 2004
27. Y. Huang, J. Zhang, I. T. Luna, P. M. Djurić and D. P. R. Padillo, Adaptive Blind Multiuser Detection over Flat Fast Fading Channels using Particle Filtering, in *Proceedings of IEEE Globecom*, Dec. 2004
28. Y. Huang and J. Zhang, \Lower bounds on the variance of deterministic signal parameter estimators using Bayesian inference," in *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, April, 2003.
29. Y. Huang, J. Zhang and P. M. Djuric, Detection with particle filtering in BLAST systems," in *Proceedings of the IEEE International Conference on Communications*, May, 2003.
30. Y. Huang, P. M. Djuric, and J. Zhang, Joint velocity estimation and symbol detection in non-stationary fading channels by particle filtering," in *Proceedings of the IEEE CLOBECOM conference*, Dec, 2003.

31. Y. Huang and P. M. Djuric, A new importance function for particle filtering and its application to blind detection in fading channels," in *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, 2002.
32. Y. Huang and P. M. Djuric, A blind particle filtering detector for joint channel estimation, tracking and data detection over fading channels," in *Proceedings of European Signal Processing Conference*, 2002.
33. J. Zhang, Y. Huang and P. M. Djuric, Multiuser detection with particle filtering, in *Proceedings of the European Signal Processing Conference*, 2002.
34. P. M. Djuric, J. Zhang, T. Ghirmai, Y. Huang, and J. Kotecha, Applications for Particle filtering to communications: A review," in *Proceedings of the European Signal Processing Conference*, 2002.
35. J. Zhang, Y. Huang and P. M. Djuric, Joint channel estimation and multiuser detection using particle filtering," in *Proceedings of the Conference on Information Sciences and Systems*, 2002.
36. Y. Huang and P. M. Djuric, Multiuser detection of synchronous Code-Division Multiple-Access signals by the Gibbs coupler," in *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, Salt Lake City, UT, 2001.
37. Y. Huang and P. M. Djuric, Variable selection by perfect sampling," in *Proceedings of the IEEE - EURASIP Workshop on Nonlinear Signal and Image Processing*, Baltimore, MD, 2001.
38. Y. Huang and P. M. Djuric, A new perfect sampling algorithm on binary state spaces and its applications to signal processing (invited)," in *Proceedings of the ICSA Applied Statistics Symposium*, Chicago, IL, 2001.
39. Y. Huang, T. Ghirmai and P. M. Djuric, The rejection Gibbs coupler: A perfect sampling algorithm and its application to truncated multivariate Gaussian distributions," in *Proceedings of the 11th IEEE Workshop on Statistical Signal Processing*, 2001.
40. Y. Huang and P. M. Djuric, Bayesian detection of transient signals in colored noise," in *Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing*, Istanbul, Turkey, 2000.
41. Y. Huang and P. M. Djuric, Choosing priors for an important class of signal processing problems," in *Proceedings of the European Signal Processing Conference*, Tampere, Finland, 2000.
42. P. M. Djuric and Y. Huang, Estimation of probability of events from imperfect Bernoulli trials," in *Proceedings of the SPIE International Symposium on Mathematical Modeling, Bayesian Estimation, and Inverse Problems*, Denver, CO, 1999, vol. 3816, pp. 68{76}.
43. Y. Huang and P. M. Djuric, A Bayesian approach to direction-of-arrival estimation of coherent signals," in *Proceedings of the IEEE Signal Processing Workshop on High Order Statistics*, Caesarea, Israel, 1999, pp. 371{374}.

4. Book Reviews

5. Other Articles

B. Lectures, Seminars

(Chronologically, NOT INCLUDING presentations given at conferences as shown in 3a)

1. Scientific Lectures, Seminars

1. Zhejiang Univ., China "Signal Processing for computational biology," June, 2008
2. Xi'an Jiaotong Univ. China "Signal Processing for computational biology," July, 2008
3. Northwestern Polytechnical Univ. China, "Signal Processing for computational biology," July, 2008
4. Shangdong Univ. China, "Signal Processing for computational biology," July, 2008
5. UTSA, Dept of Statistics, Inferring the Skeleton Cell Cycle Regulatory Network of Malaria Parasite," Nov 2007
6. University of Florida, Inferring the Skeleton Cell Cycle Regulatory Network of Malaria Parasite," May 2007
7. University of Granada, Bayesian Signal Processing for Computational Genomics," May 2007
8. Texas A&M University, inferring the Skeleton Cell Cycle Regulatory Network of Malaria Parasite," April 2007
9. Northeastern University, Inferring the Skeleton Cell Cycle Regulatory Network of Malaria Parasite," March 2007

10. Harvard Medical School, Metabolic networks: An overview of modeling, reconstruction, and analysis, " Oct. 2006
11. University of Central Florida, Uncovering Gene Regulatory Networks from Microarray Data: A Bayesian Approach," Apr. 2006
12. Translational Genomics Research Institute, A Bayesian Data Integration Framework for Gene Networks Discovery," 2006 University of New Hampshire, A blind particle filtering detector for joint channel estimation and symbol detection over α -fading channels," 2004

2. Other Lectures, Seminars, Briefings, Short courses

C. Areas of Research Interest

1. Computational Systems Biology
2. Bayesian Signal Processing
3. Statistical Learning

D. Research Support

1. National/International

Agency: NIH/NIGMS SCORE

Title: **Systems Biology of *Plasmodium falciparum*: Building and Exploring Network Models,**

Peer Reviewed (Y/N): Y

Date (start-end): 9/1/2007-8/31/2012,

Total amount: \$1,235,583

Role: Co-PI

Agency: NIH NIAID

Title: **Accelerating Metabolic Discovery using Characterization Data**

Peer Reviewed (Y/N): Y

Date (start-end): 2006-2008

Total amount: \$206,955

Role: Co-PI

Agency: NSF

Title: : **Bayesian Signal Processing for Uncovering Gene Regulatory Networks**

Peer Reviewed (Y/N): Y

Date (start-end): 2005-2010

Total amount: \$400,000

Role: PI

Agency: Air Force Office of Scientific Research Role

Title: **Innovative Methods for Engine Health Monitoring**

Peer Reviewed (Y/N): Y

Date (start-end): 2003-2004

Total amount: \$1M

Role: Co-PI

2. State

NA

3. Companies

4. Other including sub-contracts, internal UTSA funding through earmarks, institutional grants etc.

Agency UTHSCSA

Title: : Consultative Computational Biology and Bioinformatics Services

Peer Reviewed (Y/N): N
Date (start-end): 2007-2009
Total amount: \$54,818
Role: PI

Agency UTSA
Title: : **A Bayesian Graphical Modeling Approach for Inference of Gene Networks**
Peer Reviewed (Y/N): Y
Date (start-end): 2005
Total amount: \$5K
Role: PI

5. Pending with funding agency

6. Proposals Rejected

IV. SERVICE

A. Professional Activities:

1. Current Professional and Scientific Organizations/Societies If election/nomination required then mark with *

From 2002 - IEEE Signal Processing Society
From 2006 - IEEE SMC Society

2. Past and Current Positions and/or Offices Held in Professional Organizations

Years (from-to)	Name of Organization	Position held
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3. Other Professional Activities (e.g., National and State Consultancies, Review Panels and Committees, Editorial Boards, Continuing Education Lectures Presented, etc.)

Editor/Editorial Board Member

Associate Editor: EURASIP Journal on Bioinformatics and Systems Biology

Guest editor

- Special Issue on Genomic Signal Processing, Current Genomics
- Special Issue on Applications of Signal Processing Techniques to Bioinformatics, Genomics, and Proteomics. EURASIP Journal on Bioinformatics and Systems Biology.

International Conference/Meeting/Symposium Organizer/Chairmanship

Publication Chair: IEEE Workshop on Genomic Signal Processing and Statistics, 2007, 2008

Publicity Chair: IEEE Workshop on Genomic Signal Processing and Statistics, 2006

Program committee vice chair, IEEE International conference on Bioinformatics and Bio-medicine, Sept. 2008

Finance co-chair: IEEE International Conferences on SMC, 2009

Session Chair/Organizer

2007 IEEE Statistical Signal Processing Workshop, Special Session on Genomic Signal Processing

2006-2008 IEEE Workshop on Genomic Signal Processing and Statistics,

2005 IEEE Workshop on Signal Processing Advances in Wireless Communications,

2008 Workshop on Systems Biology and Medicine,

Special session on machine learning for computational biology, International Conference on Machine Learning and Cybernetics, Kunmin, China, July, 2008

Reviewer for Journals

Bioinformatics, EURASIP Journal on Bioinformatics and Systems Biology, IEEE Transactions on Signal Processing, IEEE Transactions on Wireless Communications, IEEE Transactions on Communications, IEEE Transactions on Fuzzy Systems, IEEE Signal Processing Letters, IEEE Communication Letters, and EURASIP Journal on Applied Signal Processing

Review Panels (for grants)

National Science Foundation: SBIR 2003,
National Science Foundation: Theoretical Foundations, 2006, 2007

4. Community Service

N/A

B. Committees:

1. Department

2008 Curriculum committee

2007-08 - Faculty Library Liaison

2007 - Departmental search committee

2004 - Departmental ad hoc committee

2002 - Departmental Signal Processing Curriculum committee

2002 - Departmental Graduate committee

2005 - 2006 Departmental Computer Engineering Committee

2005 Departmental Laboratories Committee

College:

2008 Faculty Advisory

2008 Curriculum committee