Yi Wang, Ph.D.

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University of South Carolina
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EDUCATION

Ph.D.,Mechanical Engineering, **Carnegie Mellon University**, U.S.A, Dec. 2005
Dissertation Title: *Modeling and Simulation of Lab-on-a-Chip Systems*
Advisors: Professor Qiao Lin and Professor Tamal Mukherjee

M.Sc.Eng., Power Machinery and Energy Engineering, **Shanghai Jiao Tong University**, China, Dec. 2000
Dissertation Title: *Research on Dynamic Characteristics and Control Strategies of the Air-conditioner with Inverter*
Advisors: Professor Xingxi Zhou and Professor Jing Xia

B.Eng., Power Machinery and Energy Engineering, **Shanghai Jiao Tong University**, China, Jul. 1998

PROFESSIONAL EXPERIENCE

University of South Carolina — Columbia, South Carolina
Department of Mechanical Engineering
Associate Professor — August 2017 –

CFD Research Corporation — Huntsville, Alabama
Biomedical and Energy Technologies (BET) Division
Director — Aug. 2014 – Aug. 2017
Manager — Dec. 2011 – Aug. 2014
Group Leader — Dec. 2009 – Dec. 2011
Senior Engineer — Dec. 2007 – Dec. 2009
Engineer — Oct. 2005 – Dec. 2007

RESEARCH INTEREST

Computational and data-enabled science and engineering (CDS&E) and its applications in multiphysics and multiscale systems engineering, including fluid structural interaction, microfluidics/nanofluidics, thermal and energy management, additive manufacturing, among others.

- Physics-based adaptive modeling, from high-fidelity multiphysics CFD/FEM analysis to reduced order modeling and closed-form modeling for real-time simulation, design exploration, and process control
- Data-driven multi-fidelity surrogate modeling for multidisciplinary analysis and optimization, large-scale system-level simulation, adaptive model integration, etc.
- Massive and real-time data analytics, discovery, and management, including engineering data mining, parameter estimation, uncertainty quantification, machine learning, and green computing & visualization
- Systems engineering of microfluidics/nanofluidics, including model development, system design, control synthesis, hardware development, and experimentation, with the long-term goal towards engineering intelligence

PATENTS

1. "Miniaturized Electrothermal Flow Induced Infusion Pump", U.S. Patent No. 9,283,597, **Non-provisional Patent** Filed on Sept. 6, 2006
2. "Electrostatic Aerosol Concentrator", U.S. Patent No. 8,246,720 B2, **Non-provisional Patent** Filed on Jul. 31, 2007
3. "Microfluidic Biological Extraction Chip", U.S. Patent No. 8,435,465 B2, **Non-provisional Patent** Filed on Nov.3, 2008
4. "Method and Apparatus for Separating Particles by Dielectrophoresis", U.S. Patent No. 8,778,160 B2, **Non-provisional Patent** Filed on Jul.26, 2011
5. "Bipolar Electrode Sample Preparation Devices", U.S. Patent No. 9,784,710, **Non-provisional Patent** Filed on Mar. 10, 2014

PUBLICATIONS

1. Team members under my supervision
* Corresponding author(s)

Book Chapters

1. H. Song[1], Y. Wang*, K. Pant, "Model Order Reduction," *Encyclopedia of Micro-and Nano-fluidics*, 2014, pp. 1-16, DOI: 10.1007/978-3-642-27758-0_1047-3, D. Li, Eds. Springer.
2. Y. Wang, Q. Lin and T. Mukherjee, "Composable Behavioral Models and Schematic-Based Simulation of Electrokinetic Lab-on-a-Chip Systems," *Design Automation Methods and Tools for Microfluidics-Based Biochips*, 2006, pp. 109-142, K. Chakrabarty and J. Zeng, Eds. Norwell, MA: Springer.
3. A.S. Bedekar, Y. Wang, S. Krishanamoorthy*, S. S. Siddhaye, and S. Sundaram, "System-Level Simulation of Flow-Induced Dispersion in Lab-on-a-Chip Systems," *Design Automation Methods and Tools for Microfluidics-Based Biochips*, 2006, pp. 189-214, K. Chakrabarty and J. Zeng, Eds. Norwell, MA: Springer.
4. Y. Wang*, A.S. Bedekar, S. Krishanamoorthy, S. Sundaram, A. K. Singhal, "Model Order Reduction," *Encyclopedia of Micro-and Nano-fluidics*, 2008, pp. 1382-1391, D. Li, Eds. Springer.

Selected Peer-Reviewed Journal Publications

1. L. M. Lee, J. M. Rosanoa, Y. Wang*, C. J. Garsona, B. Prabhakarpandiana, K. Pant* G. J. Klarmannc, L. M. Alvarez, and E. Lai, Label-Free Mesenchymal Stem Cells Enrichment from Bone Marrow by Spiral Inertial Microfluidics, *Analytical Methods*, 10, 713-721, 2018
2. H. Song[1], J.M.Rosano, Y.Wang*, C.J. Garson, B. Prabhakarpandian, K. Pant, G.J. Klarmann, L.M.Alvarez, E. Lai, "Spiral-shaped inertial stem cell device for high-throughput enrichment of iPSC-derived neural stem cells", *Microfluid Nanofluid*, Vol. 21: 64. DOI:10.1007/s10404-017-1896-5, 2017
3. H. Song[1], J. Rosano, Y. Wang*, C.J. Garson, B. Prabhakarpandian, K. Pant, G.J. Klarmann, A. Perantoni, L.M. Alvarez, and E. Lai, "Identification of Mesenchymal Stem Cell Differentiation State Using Dual-micropore Microfluidic Impedance Flow Cytometry", *Analytical Methods*, Vol. 8, pp. 7437-7444, 2016. **(Cover Story)**
4. H. Song[1], J. Rosano, Yi Wang*, C.J. Garson, B. Prabhakarpandian, K. Pant, G.J. Klarmann, A. Perantoni, L.M.Alvarez, E. Lai, Continuous-Flow Sorting of Stem Cells and Differentiation Products based on Dielectrophoresis", *Lab on Chip*, 15, Vol. 5, pp. 1320-1328, 2015.
5. H. Song[1], Y. Wang*, C. Garson, K. Pant, "Concurrent DNA Preconcentration and Separation in Bipolar Electrode-Based Microfluidic Device", *Analytical Methods*, Vol. 7, 1273-1279, 2015. **(Cover Story)**

6. X. Tian, H. Guo, K. H. Bhatt, S. Q. Zhao, Y. Wang, J. Guo*, "Super-Period Gold Nanodisc Grating-Enabled Surface Plasmon Resonance Spectrometer Sensor", *Applied Spectroscopy*, Vol. 69, pp. 1182-1189, 2015.
7. H. Song[1], Y. Wang*, C. Garson, K. Pant, "Nafion-film-based Micro–nanofluidic Device for Concurrent DNA Preconcentration and Separation in Free Solution", *Microfluidics and Nanofluidics*, Vol. 17, pp. 693-699, 2014
8. Y. Wang*, H. Song, K. Pant, "A reduced-order model for whole-chip thermal analysis of microfluidic lab-on-a-chip systems", *Microfluidics and Nanofluidics*, Vol. 16, pp. 369-380, 2014.
9. H. Song[1], Y. Wang*, J. M. Rosano, B Prabhakarpandian, C. Garson, K. Pant, and E. Lai, "A microfluidic impedance flow cytometer for identification of differentiation state of stem cells", *Lab on Chip*, Vol. 13, pp. 2300-2310, 2013.
10. H. Song[1*], Y. Wang, K. Pant, "Scaling law for cross-stream diffusion in microchannels under combined electroosmotic and pressure driven flow", *Microfluidics and Nanofluidics*, Vol. 14, pp. 371-382, 2013.
11. G. Lamberti*, Y. Tang, B. Prabhakarpandian, Y. Wang, K. Pant, M. F. Kiani, B. Wang, " Adhesive interaction of functionalized particles and endothelium in idealized microvascular networks", *Microvascular Research*, Vol. 89, pp. 107–114, 2013.
12. H. Song[1*], Y. Wang, K. Pant, "Cross-stream diffusion under pressure-driven flow in microchannels with arbitrary aspect ratios: a phase diagram study using a three-dimensional analytical model", *Microfluidics and Nanofluidics*, Vol. 12, pp. 265-277, 2012.
13. H. Song[1], Y. Wang*, K. Pant, "System-level simulation of liquid filling in microfluidic chips", *Biomicrofluidics*, Vol. 5, 024107, 2011.
14. Prabhakarpandian B.*, Y. Wang, A. Rea-Ramsey, S. Sundaram, MF Kiani, K. Pant, "Bifurcations: focal points of particle adhesion in microvascular networks", *Microcirculation*, Vol. 18, No. 5, pp. 380-389, 2011.
15. Y. Zhou, Y. Wang, Q. Lin*, A Microfluidic Device for Continuous-Flow Magnetically Controlled Capture and Isolation of Microparticles, *Journal of Microelectromechanical Systems*, Vol. 19, No. 4, pp. 743-751, 2010.
16. Y. Wang**, K. Pant, et al., "Numerical Analysis of Electrokinetic Transport in Micro-nanofluidic Interconnect Preconcentrator in Hydrodynamic Flow", *Microfluidics and Nanofluidics*, Vol. 7, pp. 683-696, 2009.
17. Z. Zhou, Y. Wang**, T. Mukherjee, Q. Lin*, "Generation of Complex Concentration Profiles by Partial Diffusive Mixing in Multi-stream Laminar Flow", *Lab on Chip*, Vol. 9, pp. 1439-1448, 2009.
18. Y. Wang*, Aditya S. Bedekar, S. Krishnamoorthy, Sachin S. Siddhaye, and Shivshankar, "System-Level Modeling and Simulation of Biochemical Assays in Lab-on-a-Chip Devices", *Microfluidics and Nanofluidics*, Vol. 3, pp. 307-322, 2007.
19. A. S. Bedekar*, Y. Wang, S. S. Siddhaye, S. Krishnamoorthy, and S. F. Malin, "Design Software for Application-Specific Microfluidic Devices," *Clinical Chemistry*, Vol. 53, pp. 2023-2026, 2007.
20. Y. Wang, Q. Lin* and T. Mukherjee, "Systematic Modeling and Design of Microfluidic Concentration Gradient Generators", *Journal of Micromechanics and Microengineering*, Vol. 16, pp. 2128-2137, 2006.
21. Y. Wang, Q. Lin and T. Mukherjee, "Composable Behavioral Models and Schematic-Based Simulation of Electrokinetic Lab-on-a-Chip Systems", *IEEE Trans. CAD.*, 2006, Vol. 2, pp.258-273.
22. A.S. Bedekar, Y. Wang, S. Krishnamoorthy*, S.S. Siddhaye and S. Sundaram, "System-Level Simulation of Flow-Induced Dispersion in Lab-on-a-Chip Systems", *IEEE Trans. CAD.*, 2006, Vol. 2, pp. 294-304.
23. Y. Wang, Q. Lin* and T. Mukherjee, "A model for laminar diffusion-based complex electrokinetic passive micromixers", *Lab on chip*, 2005, Vol. 5, pp. 877-887.

24. Y. Wang, Q. Lin* and T. Mukherjee, "A Model for Joule Heating-Induced Dispersion in Microchip Electrophoresis", *Lab on chip*, 2004, Vol.4 pp. 625-631.
25. Y. Wang, Q. Lin* and T. Mukherjee, "System-Oriented Dispersion Models of General-Shaped Electrophoresis Microchannels", *Lab on chip*, 2004, Vol. 4, pp. 453-463. **(Hot Article)**
26. W. Chen, X. Zhou, J. Xia, X. Jin, and Y. Wang, "Simulation Research on Control Strategies and Modeling of the Double-Evaporator Air-Conditioner with Inverter", *Journal of System Simulation (Chinese)*, 2002, Vol. 14, pp. 643-646.
27. X. Zhou, W. Chen, J. Xia, and Y. Wang, "Research on the Transient Performance of the Double-Evaporator VRV Air Conditioner", *Fluid Machinery (Chinese)*, 2001, Vol. 29, pp. 53-56.
28. Y. Wang, X. Zhou, J. Xia, and W. Chen, "Numerical Research on Simulation Model in Double-Evaporator Air Conditioning System with Inverter", *Energy Conservation (Chinese)*, 2000, Vol. 9, pp. 7-10.
29. X. Zhou, Y. Wang, Z. Zhou, and F. Xiao, "Simulation Research on Fuzzy Control of Inverter-aid Air Conditioner Based on Systems of Variable Conditions", *Fluid Machinery (Chinese)*, 2000, Vol. 7, pp. 42-46.
30. Z. Zhou, X. Zhou, Y. Wang, and F. Wang, "Simulation Research on the System Characters of Air-Conditioner with Inverter", *Fluid Machinery (Chinese)*, 2000, Vol. 28, pp. 43-47.
31. Y. Wang, X. Zhou, "Dynamic Simulation Study on the characteristics of the Evaporators in Air-Conditioner with Inverter", *Journal of Anhui Institute of Architecture (Chinese)*, 2000, Vol. 8, pp. 61-64

Selected Peer-Reviewed Conference Proceedings, Paper and/or Abstract

1. L.M. Lee, Y. Wang*, C.J. Garson, G.J. Klarmann, B. Prabhakarpandian, K. Pant, L.M. Alvarez, and Eva Lai, "Enrichment of Human Adipose-Derived Stem Cells by a Spiral-shaped Inertial Microfluidic Sorter", The 21st International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS 2017), Paper No. M188h.
2. H. Song[1], J.M. Rosano[1], G.J. Klarmann, C.J. Garson[1], B. Prabhakarpandian, L.M. Alvarez, E. Lai, Y. Wang*, Kapil Pant, "High Throughput Enrichment of iPSC-Derived Neural Stem Cells using Spiral-shaped Inertial Microfluidic Devices", *International Conference of Microfluidics, Nanofluidics and Lab-on-a-Chip*, Paper ID. 11-437, 2016.
3. H. Song[1], J.M. Rosano[1], Y. Wang*, et al., "A Continuous-Flow Microfluidic Device For The Separation Of Stem Cells And Their Differentiation Progency Based On Dielectrophoresis", *19th International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS)*, pp. 361-363, 2015.
4. H. Song[1], Y. Wang*, C. Garson, K. Pant, "Nafion film based nanofluidic device for concurrent DNA preconcentration and separation", *IEEE NANO*, 549-552, 2013.
5. H. Song[1], Y. Wang*, K. Pant, "Three-Dimensional Analytical Model for Pressure-Driven Cross-Stream Diffusion in Microchannels With Arbitrary Aspect Ratios", *ASME 3rd International Conference on Micro/Nanoscale Heat and Mass Transfer (MNHMT)*, pp. 27-37, 2012
6. J.J. Wei*, M. Rexius, M. Kofke, Y. Wang, S. Singhal, D.H. Waldeck, "Nano-plasmonics Sensing and Integration with Microfluidics for a Lab-on-chip", *Nanotech 2011*, Vol. 3, pp. 79-82, 2011
7. Y. Wang*, K. Pant, "System-Level Modeling of Surface-Immobilized Biomolecular Concentration Gradient Generation", *ASME 1st International Conference on Micro/Nanoscale Heat and Mass Transfer (MNHMT)*, 179-186, 2009.
8. Y. Wang*, K. Pant, ZJ Chen, W. Diffey, P. Ashley, S. Sundaram, "Numerical Analysis of Nanofluidic Sample Preconcentration in Hydrodynamic Flow", *11th International Conference on Modeling and Simulation of Microsystems*, pp. 442-445, 2008.

9. Z. Zhou, Y. Wang, T. Mukherjee, Q. Lin*. "Design Synthesis and Experimental Validation of Microfluidic Concentration Gradient Generators". *IEEE MEMS'2008*, pp. 579-582, 2008.
10. Y. Wang*, K. Pant, J. Grover, S. Sundaram, "Multi-physics Simulational Analysis of a Novel PCR Micro-Device", *10th International Conference on Modeling and Simulation of Microsystems*, Vol. 3, pp. 456-459, 2007.
11. Y. Wang, Q. Lin* and T. Mukherjee, "System-Level Modeling and Design of Microfluidic Concentration Gradient Generators". *1st IEEE International Conference on Nano/Micro Engineered and Molecular Systems*, pp. 1368-1373, 2006.
12. Y. Wang*, A.S. Bedekar, S. Krishnamoorthy *et. al*. "Mixed methodology-based system level simulation of biochemical assays in integrated microfluidic systems", *9th International Conference on Modeling and Simulation of Microsystems*, pp. 546-549, 2006.
13. G.R. Wang*, J. Guo, Y. Lin, J. Feng, J. Wei, Y. Wang, S.Krishnamoorthy, S. Sundaram, "Laser-Induced Fluorescence Photobleaching Anemometer for Flow Velocity Measurement in Sub-Microscale Fluidic Channels", *2006 IEEE/LEOS Summer Topical Meeting on Optofluidics: Emerging Technologies and Applications*, pp. 34-35, 2006.
14. Y. Wang*, R. Magargle, Q. Lin, J.F. Hoburg and T. Mukherjee, "System-Oriented Modeling and Simulation of Biofluidic Lab-on-a-chip", *The 13th International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers'05)*, pp. 1280-1283, 2005.
15. Y. Wang*, Q. Lin and T. Mukherjee, "System Simulations of Complex Electrokinetic Passive Micromixers", *8th International Conference on Modeling and Simulation of Microsystems*, pp. 579-582, 2005.
16. Y. Wang*, Q. Lin and T. Mukherjee, "Applications of Behavioral Modeling and Simulation on Lab-on-a-chip: Micro-Mixer and Separation System", *2004 IEEE International Behavioral Modeling and Simulation Conference*, pp. 1-6, 2004.
17. Y. Wang*, Q. Lin and T. Mukherjee, "Models for Joule Heating Dispersion in Complex Electrophoretic Separation Microchannels", *2004 ASME International Mechanical Engineering Congress and Exposition*, No. 60970, 2004.
18. Y. Wang*, Q. Lin and T. Mukherjee, "Analytical Models for Complex Electrokinetic Passive Micromixers", *The 8th International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS)* , pp. 596-598, 2004.
19. Y. Wang*, Q. Lin and T. Mukherjee, "Composable System Simulation of Dispersion in Complex Electrophoretic Separation Microchips", *7th International Conference on Modeling and Simulation of Microsystems*, pp. 59-62, 2004.
20. Y. Wang*, Q. Lin and T. Mukherjee, "Analytical Dispersion Models for Efficient Simulation of Complex Microchip Electrophoresis Systems", *The 7th International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS)*, pp. 135-138, 2003.
21. Y. Wang*, Q. Lin and T. Mukherjee, "Universal Joule Heating Model in Electrophoretic Separation Microchips", *The 6th International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS)*, pp. 82-84, 2002.
22. Y. Wang*, Q. Lin, J. Hoburg and T. Mukherjee, "Modeling of Joule Heating in Electrophoretic Separation Microchips", *5th International Conference on Modeling and Simulation of Microsystems*, pp. 80-83, 2002.
23. X. Zhou*, Y. Wang, J. Xia, B. Shen, "*Research* on Dynamic Characteristics of Double Evaporators in VRV Air Conditioner", *2000 International Conference of Air Conditioning in High Rise Buildings (ACHRB)*, pp. 279-283, 2000.

24. J. Xia*, F. Xiao, X. Jin, Y. Wang, G. Huang, "Optimal Sizing Analysis of Water Chillers in Large Air Conditioning System", *2000 International Conference of Air Conditioning in High Rise Buildings (ACHRB)*, pp. 145-149, 2000.
25. B. Shen*, Z. Su, Y. Wang, "Control of Air-Conditioner with Inverter Using Evaporating Pressure as Middle-Target via Fuzzy Method", *2000 International Refrigeration Conference at Purdue*, pp. 457-464, 2000.
26. B. Shen*, Z. Su, Y. Wang, "Research On Characteristics Of Double-Evaporators In VRV Air Conditioner", *2000 International Refrigeration Conference at Purdue*, pp. 135-142, 2000.
27. H. Song[1], Y. Wang*, J. Rosano, et al., "A Micropore-based Impedance Flow Cytometer for Identifying Differentiation State of Stem Cells", *BMES Annual Fall Meeting*, 2013.
28. H. Song[1], Y. Wang*, K. Pant, "System-level Simulation of Liquid Filling in Microfluidic Chips", *Lab on a Chip World Congress*, 2010.
29. Y. Wang*, K. Pant ZJ Chen, W. Diffey, P. Ashley, and S. Sundaram. "Numerical Analysis of Electrokinetic Transport at Micro-Nanofluidic Interfaces in Hydrodynamic Flow and Applications in Sample Preconcentration", *Eighth International Electrokinetic Conference*, 2008.
30. B. Prabhakarpandian, K. Pant, Y. Wang, and S. Sundaram*, "An Integrated Microfluidic Device for Fully Automated Isolation of RNA From Small Cell Cultures", *BMES Annual Fall Meeting*, 2007.
31. A. J. Pfeiffer, Y. Wang, Q. Lin, R. Magargle, J. Hoburg, T. Mukherjee and S. Hauan, "Design and Optimization of Microchip Based Electrophoretic Channel Topologies", *2003 AIChE Annual Meeting*, pp. 24b, 2003.
32. Y. Wang, X. Zhou, J. Xia, and W. Chen, "Study of Fuzzy Self–Adaptive PID Control Method of Electronic Expansion Valve in Air Conditioning Systems with Inverter-aid Compressor", *Annual Conference of Chinese Society of Engineering Thermodynamics*, pp. 54-59, 2000, Beijing, P.R.China (Chinese).
33. Y. Wang, X. Zhou, J. Xia, and W. Chen, "Transient Simulation Study of Superheat Degree in Air Conditioning Systems with Inverter-aid Compressor", *Annual Conference of Chinese Society of Engineering Thermodynamics*, pp. 60-65, 2000, Beijing, P.R.China. (Chinese)

INVITED TALKS AND SEMINARS

1. "A Review of Reduced Order Modeling (ROM) and Real-Time Simulation Techniques for Engineering Applications", Invited Seminar at the Hunan University of Science and Technology (HNUST), July 1st, 2016, Hunan, PR China.
2. "Multiphysics Variable-Fidelity Modeling and Simulation (MVF-M&S) for Biomedical Devices", Invited Seminar at Novartis Co., Sept. 16th, 2015, East Hanover, New Jersey.

RESEARCH GROUP

Current Group

➢ Research Assistant Professor	Dr. Shengwei Zhu	November 2018
➢ Ph.D. Students:	Feng Bai	Fall 2018–

HONORS AND AWARDS

- **Cover Story** of Analytical Methods (Royal Society of Chemistry), "Identification Of Mesenchymal Stem Cell Differentiation State Using Dual-Micropore Microfluidic Impedance Flow Cytometry", Nov. 2016.
- **Cover Story** of Analytical Methods (Royal Society of Chemistry), "Concurrent DNA Preconcentration and Separation in Bipolar Electrode-Based Microfluidic Device", Feb. 2015.

- **Hot Article** of *Lab on a chip* (Royal Society of Chemistry), "System-Oriented Dispersion Models of General Shaped Electrophoresis Channels". The paper has been recognized as "**very significant**" to the field of integrated biological and chemical microsystems. July 2004
- **Best Poster Award**, Microfluidic/Biosensor Workshop at University of Pennsylvania, June 2003
- **National Excellence Scholarship**, Shanghai Jiao Tong University, P.R. China, Oct. 2000
- **National Excellence Scholarship**, Shanghai Jiao Tong University, P.R. China, Oct. 1999
- **Excellent Graduate**, Shanghai Jiao Tong University, P.R. China, June 1998
- **First Prize of Wanbang & Cao Wenjin Scholarship**, Shanghai Jiao Tong University, Mar. 1998
- **Excellent Student**, Shanghai Jiao Tong University, P.R. China, Oct. 1997
- **Second Prize of The Excellence Scholarship** of Shanghai Jiao Tong University, Sep.1997
- **Third Prize of The Excellence Scholarship** of Shanghai Jiao Tong University, Sep. 1996
- **Excellent Student**, Shanghai Jiao Tong University, P.R. China, Oct. 1995
- **Second Prize of The Excellence Scholarship** of Shanghai Jiao Tong University, Sep. 1995

PROFESSIONAL SERVICES

Service to Discipline

- Session Co-chair: 2009 Micro/Nanoscale Heat and Mass Transfer International Conference
- Session Co-chair: 2013 13th International Conference On Nanotechnology

JOURNAL AND CONFERENCE PROCEEDINGS REVIEW COMMITMENTS

Journal

- Lab on Chip
- Journal of Micromechanics and Microengineering
- Microfluidics and Nanofluidics
- Talanta
- Journal of Microelectromechanical Systems
- Biomedical Microdevices

Conference Proceedings

- 2006 IEEE Sensors Conference
- 2006 ASME International Mechanical Engineering Congress and Exposition (IMECE)
- 2008 ASME 2nd International Conference & Exhibition of Integration & Commercialization of Micro & Nanosystems
- 2009 Micro/Nanoscale Heat and Mass Transfer International Conference
- 2012 Micro/Nanoscale Heat and Mass Transfer International Conference
- 2013 IEEE NANO Conference