

PROFESSIONAL LEADERSHIP - Dr. Shaochen Chen

- Journal Editorial Board Member: Nanomedicine (2005-present)
- Guest Editor: *IEEE Transactions on Advanced Packaging*, special issue on MEMS/NEMS packaging, 2003.
- Proposal review: National Science Foundation, Air Force Office of Scientific Research, The State of Louisiana Nanobiotechnology Initiative, Civilian Research & Foundation of the U. S. Department of State, Lawrence Livermore National Laboratory, Nanyang Technological University (Singapore).
- Referee for the following journals:

Nano Letters	Journal of Microelectromechanical Systems
Nanotechnology	Journal of Manufacturing Processes
Journal of Applied Physics	Microscale Thermophysical Engineering
Biomaterials	IEEE Transactions on Advanced Packaging
Optics Letters	Journal of Food Engineering
Sensors and Actuators A	International Journal of Heat and Mass Transfer
Applied Physics Letters	Journal of Manufacturing Science and Engineering
Journal of Heat Transfer	Journal of the American Chemical Society
Optics Express	Journal of Micromechanics and Microengineering
Thin Solid Films	Journal of Nondestructive Evaluation
Applied Physics A	Journal of Optics & Laser Technology
- Referee for the following international/national conferences:
 - American Institute of Aeronautics and Astronautics (AIAA) conference (2004).
 - ASME International Mechanical Engineering Congress & Exposition (1998-2005).
 - National Heat Transfer Conference (1998-2005).
 - International Conference on Metallurgical Coatings and Thin Films (2003).
 - European Conference on Thermophysical Properties (2000).
 - International Conference on Advanced Materials (1999).
- Textbook reviewer: reviewed four textbooks about MEMS, Heat Transfer, Nano and Micro-fabrication, and Manufacturing respectively (2000, 2004, 2005, 2006).

Technical Committee:

- Technical committee, Nanorobotics and Nanomanufacturing of the IEEE Nanotechnology Council, 2003-present.
- Technical committee, Nanomanufacturing of the ASME Nanotechnology Institute, 2003-present.
- Technical committee on State Strategy of Advanced Technology, State of Texas, 2004-present.
- Technical committee, MEMS/NEMS Packaging (Chair 2001 and 2002) of the Electronics and Photonics Packaging Division, ASME, 2001-present.
- Technical committee, Micro / Nano systems of the Design Engineering Division, ASME, 2005-

Conference Organization:

- Organizing committee, SPIE International Symposium of Laser-based Micro- and Nano-Packaging and Assembly (International Society for Optical Engineering), 2007.
- Panelist, “Recent Development and Opportunities in Nanomanufacturing Towards 3D Nanosystems”, International Mechanical Eng. Congress & Exposition (**IMECE**), 2005
- Co-Chair, Nanoscale Radiation Heat Transfer, IMECE, 2005.
- Co-organizer, Materials Research Society (MRS) Symposium of Surface Modifications and Interactions for Manufacturing Applications, 2005.
- Organizing committee, Symposium on Micro- and Nanoscale Laser Materials Processing in 41st Annual Technical Meeting of the Society of Engineering Science, 2004.
- Chair, MEMS Packaging Session II, IMECE, 2004.
- Chair, MEMS Packaging Session III, IMECE, 2003.
- Panelist, “Challenging issues in NEMS/MEMS packaging”, IMECE, 2003.
- Panelist, “Transport Phenomena in Processing of Biomaterials and BioMEMS”, IMECE, 2003.
- Panelist, NSF CAREER workshop, NSF Grantees Conference, 2003.
- Organizing committee, SPIE Lasers in Materials Processing & Manufacturing Conference (International Society for Optical Engineering), 2002.
- Chair, MEMS Packaging Sessions I and II, IMECE 2002.
- Chair, Nano/Micro/Meso-scale Manufacturing Session, IMECE 2002.
- Organizer, MEMS Packaging Symposium of MEMS sub-division, IMECE 2002.
- Organizer, MEMS Packaging Symposium of MEMS sub-division, IMECE 2001.
- Chair, MEMS Packaging Session I, IMECE 2001.
- Co-chair, Sensing session, 7th *Mechatronics Forum International Conference*, 2000.