

Resume: Liping Liu

POSITION AND TITLE:

Assistant Professor in Department of Mechanical Engineering, University of Houston, Houston, TX

EDUCATION:

1996-2000

Bachelor of Engineering in Mechanics and Engineering Science, July 2000
Peking University, Beijing, China

2000-2006

Ph.D. in Aerospace Engineering and Mechanics, August 2006
University of Minnesota, Twin cities

PROFESSIONAL EXPERIENCE:

2008-Present

Assistant Professor, Department of Mechanical Engineering, University of Houston, Houston, TX

2006-2008

Postdoctoral Scholar, Division of Engineering and Applied Science, California Institute of Technology, CA

AWARDS AND HONORS:

BEST DISSERTATION AWARD, Institute of Technology, University of Minnesota, Twin Cities

PROFESSIONAL SOCIETIES:

ASME (American Society of Mechanical Engineer), SES (Society of Engineering Science), SIAM (Society of Industrial and Applied Mathematics)

JOURNAL PUBLICATIONS:

1. **L.P. Liu**, R.D. James, P.H. Leo. Magnetostrictive composites in the dilute limit. *J. Mech. Phys. Solids*, **54** (5): 951--974, 2006.
2. **L.P. Liu**, R.D. James, P.H. Leo. Periodic inclusion-matrix microstructures with constant field inclusions. *Metallurgical and Materials Transactions A*, **38**:781--787.

3. **L.P. Liu**, James, R.D., P.H. Leo. New extremal inclusions and their applications to two-phase composites. Accepted by *Archive for Rational Mechanics and Analysis*.
4. **L.P. Liu**. Solutions to the Eshelby conjectures. *Proceedings of Royal Society A*, **464** (2091): 573-594, 2008.
5. **L.P. Liu**. Hashin-Shtrikman bounds for multiphase composites and their attainability. Submitted to *Archive for Rational Mechanics and Analysis*.