

Luda Wang

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EDUCATION:

08/09-present: **Ph.D. Mechanical Engineering, University of Colorado at Boulder**
Major: Microsystems

09/06-01/09: **M.S. School of Instrument Science and Opto-electronics
Engineering, Beihang University (BUAA)**
Major: Measuring and Testing Technologies and Instruments

09/02-06/06: **B.E. School of Automation Science and Electrical Engineering,
Beihang University**
Major: Electrical Engineering and Automation

RESEARCH INTERESTS:

Measuring the Mass of a Single Gold Atom Using Graphene Resonators

JOURNAL/CONFERENCE PAPERS: (My advisor is Prof. *Shangchun Fan*.
Advisor's name is in *italic* in the following papers)

1. *Shangchun Fan*, **Luda Wang**, Zhanshe Guo. Design and Simulation of Novel MEMS Resonant Gyroscope. Journal of Chinese Inertial Technology, Vol. 17, pp. 63-66, Feb. 2009.
2. **Luda Wang**, *Shangchun Fan*, Zhanshe Guo. High-performance Silicon Micromachined Resonant Gyroscope. Microfabrication Technology, No. 5, pp. 37-40, Oct. 2008.
3. *Shangchun Fan*, **Luda Wang**, Zhanshe Guo. Optimization of Sensitivity for a Novel MEMS Resonant Gyroscope. Journal of Astronautics (accepted)
4. **Luda Wang**, *Shangchun Fan*, Zhanshe Guo. A Decoupled Microelectromechanical Resonant Gyroscope. 7th International Symposium on Instrumentation and Control Technology (ISICT'2008), Vol. 7127, pp. 71270Y, 2008. (Presentation)
5. *Shangchun Fan*, **Luda Wang**, Zhanshe Guo. A Novel Microelectromechanical Resonant Gyroscope. 7th International Symposium on Instrumentation and Control Technology (ISICT'2008), Vol. 7127, pp. 71270D, 2008. (Poster)
6. Jie Ren, *Shangchun Fan*, **Luda Wang**. Critical Technologies in Design of Micromechanical Resonant Accelerometer. Chinese Journal of Sensors and Actuators, Vol. 21, pp. 593-595, April 2008.
7. Jie Ren, *Shangchun Fan*, **Luda Wang**, Zhanshe Guo. A Micromachined Resonant Accelerometer. 6th International Symposium on Instrumentation and Control Technology (ISICT'2006), Vol. 6358, pp. 63580H, 2006. (Poster)

PATENTS: (Advisor's name is in *italic*)

1. *Shangchun Fan*, **Luda Wang**, Zhanshe Guo. A Silicon Microelectromechanical Resonant Gyroscope with High Sensitivity, China Patent Applied No. 200810112293.7. Application submitted on May 22, 2008
2. *Shangchun Fan*, **Luda Wang**, Zhanshe Guo. A MEMS Resonant Gyroscope with High Performance, China Patent Applied No. 200810117562.9. Application submitted on August 01, 2008

SCHOLARSHIPS & HONORS:

- 2008 Second Prize, China Instrument & Control Society Scholarships
- 2008 Kwang-Hua Scholarship
- 2005 Second Prize, Fengru Science and Technology Competition of BUAA
- 2005 Third Prize in Subject Competition awarded by BUAA
- 2005 Third Prize in Beijing Undergraduate Physics Competition
- 2005 Outstanding Commissary awarded by College of Engineering