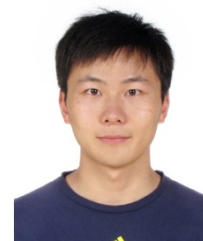


# Weiwei Jin

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## **EDUCATION**

Peking University (2012 – present)  
PhD student, Engineering Mechanics

Beijing, China  
Advisor: Shuixiang Li  
(lsx@pku.edu.cn)

Peking University (2008 – 2012)  
B.S., Theoretical and Applied Mechanics

Beijing, China

## **RESEARCH TOPICS**

1. Granular materials: jammed packings of non-spherical particles, cluster assembly, mechanical properties and shear response
2. Dense packings: dense crystal structure and the phase behavior of colloids and nanoparticles.

## **PROFESSIONAL EXPERIENCE**

### **Visiting Assistant in Research**

Yale University (2016-2017)  
Advisor: Corey S. O'Hern

### **Teaching Assistant**

Numerical Analysis (Undergrad. Level)  
Engineering CAD (Undergrad. Level)

Peking University (2013 – 2015)  
Peking University (2013)

## **AWARDS**

|                                       |      |
|---------------------------------------|------|
| Merit Student                         | 2016 |
| Founder Scholarship                   | 2016 |
| Master's Special Academic Scholarship | 2014 |
| Suzhou Industrial Park Scholarship    | 2013 |

## **SCIENTIFIC COMPUTING**

1. Programming: C++, C
2. Software: experience in Auto CAD, Mathematica, etc.

## **PEER-REVIEWED PUBLICATIONS**

1. Yuan, Y., **Jin, W.**, Liu L., Li, S. \* *Physica A* **484**, 470 (2017)  
*Shape effects on time-scale divergence at athermal jamming transition of frictionless non-spherical particles*
2. **Jin, W.**, Jiao, Y., Liu L., Yuan, Y., Li, S. \* *Physical Review E* **95**, 033003 (2017)  
*Dense crystalline packings of ellipsoids*
3. Yuan, Y., **Jin, W.**, Liu L., Li, S. \* *Physica A* **461**, 747 (2016)  
*Two typical structure patterns in jammed monodisperse disk packings at high densities*
4. Liu, L., Lu, P., Meng, L., **Jin, W.**, Li, S. \* *Physica A* **444**, 870 (2016)  
*Order metrics and order maps of octahedron packings*
5. **Jin, W.**, Lu, P., Li, S.\* *Scientific Reports* **5**, 15640 (2015)  
*Evolution of the dense packings of spherotetrahedral particles: from ideal tetrahedra to spheres*
6. **Jin, W.**, Lu, P., Liu, L., Li, S.\* *Physical Review E* **91**, 042203 (2015)  
*Cluster and constraint analysis in tetrahedron packings*
7. Liu, L., Lu, P., Meng, L., **Jin, W.**, Li, S.\* *Physics Letters A* **378**, 835-838 (2014)  
*Excluded volumes of clusters in tetrahedral particle packing*
8. Li, S.\* , Lu, P., **Jin, W.**, Meng, L. *Soft Matter* **9**, 9298-9302 (2013)  
*Quasi-random packing of tetrahedra*
9. Meng, L., Li, S.\* , Lu, P., Li, T., **Jin, W.** *Physical Review E* **86**, 061309 (2012)  
*Bending and elongation effects on the random packing of curved spherocylinders*
10. Zhao, J., Li, S.\* , **Jin, W.**, Zhou, X. *Physical Review E* **86**, 031307 (2012)  
*Shape effects on the random-packing density of tetrahedral particles*

## **PRESENTATIONS AT CONFERENCES**

1. Poster, *Novel dense crystalline packings of ellipsoids*. In: Summer School on Soft Solids and Complex Fluids, UMass Amherst, America (2017)
2. Oral talk, *A new dense packing configuration of ellipsoids*. In: Packing: across Length Scales, 3<sup>rd</sup> International Conference on Packing Problems, Shanghai, China (2016)
3. Poster, *Order metric and maximally random jammed packing of regular tetrahedra*. In: Workshop: Jam-Packed: Packing and Jamming of Particulate Systems, Erlangen, Germany (2014)

## **OTHER CONFERENCES**

1. Granular Materials Workshop, Northeastern University, America (2017)
2. 70<sup>th</sup> New England Workshop on Complex Fluids, Yale University, America (2017)
3. 1<sup>st</sup> International Workshop on Computational Particle Technology and Multiphase Processes, Suzhou, China (2016)