

Xingzhi Zhou

Tokyo Institute of Technology
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Education

- Sep.2017– **Master in Artificial Intelligence**
present Tokyo Institute of Technology Tokyo Japan
MEXT scholarship student
Advisor: Prof. Tsuyoshi Murata
Weighted average mark: 85.8/100.0
- Sep.2012– **B.Eng. in Communication Engineering**
Jun.2016 University of Electronic Science and Technology of China(UESTC) Chengdu P.R. China
Yingcai Honors College (an elite undergraduate program, 70 out of 5500 selected top students)
Overall GPA:3.9/4.0, Ranking 9/70, Weighted average mark: 89.3/100.0
- Mar.2014– **Exchange Student in Electrical Engineering**
Jun.2014 Pohang University of Science and Technology(POSTECH) Pohang S. Korea
Two selected students from UESTC sponsored by Global Korean Scholarship
GPA:3.52/4.3

Research Experience

Tokyo Institute of Technology

- Sep.2017– **Network embedding for heterogeneous networks**
present Supervisor: Prof. Tsuyoshi Murata
By focusing on structures of heterogeneous networks(more than one type of node or edge), a more effective and efficient embedding model is being considered, based on non-negative matrix factorization.

University of Electronic Science and Technology of China

- Jan.2016– **Young's modulus modeling for nano architecture with strain**
Jun.2016 Supervisor: Prof. Weidong He
A surface relaxation model of carbon nanobeams was constructed to investigate the elastic properties of nanostructure. Based on the surface effect and structural impact, compared with bulk carbon, higher Young's modulus in carbon nanobeams were theoretically calculated
- Mar.2015– **The properties analyzing for nano-sized europium chalcogenides**
Dec.2015 Supervisor: Prof. Weidong He
The properties of nano-sized europium chalcogenides were summarized and reviewed, with special focus on optical, magnetic and magneto-optical properties. Corresponding paper has been published on *Nanotechnology*.

Publication

- [1] **Xingzhi Zhou** , Kelvin HL Zhang, Jie Xiong, Ju-Hyun Park, James H. Dickerson, and Weidong He. Size- and dimensionality-dependent optical, magnetic and magneto-optical properties of binary europium-based nanocrystals: EuX (X = O, S, Se, Te). *Nanotechnology*, 27(19):192001, 2016
- [2] Yinghua Niu, Weiqiang Lv, **Xingzhi Zhou**, Weirong Huo, Luhan Ye, and Weidong He. Gas leak diffusion induced polarization in submicro/nanoscale non-tight electrolytes of solid oxide fuel cells. *RSC Advances*, 6(67):62052–62061, 2016.
- [3] Gaolong Zhu, Kechun Wen, Weiqiang Lv, **Xingzhi Zhou**, Yachun Liang, Fei Yang, Zhilin Chen, Minda Zou, Jinchao Li, Yuqian Zhang, et al. Materials insights into low-temperature performances of lithium-ion batteries. *Journal of Power Sources*, 300:29–40, 2015.

Honors & Awards

- Sep.2017 MEXT Scholarship for master degree, Japanese Government(MEXT)
Covering two-year tuition fee and providing a monthly stipend of US\$1,390 for 24 months
- Jun.2016 Excellent graduation thesis award (top 5%), UESTC
- Dec.2015 National Endeavor Scholarship (Top 10%, US\$790), UESTC
- Dec.2014 National Endeavor Scholarship (Top 10%,US\$790), UESTC
- Mar.2014 Global Korea Scholarship program for Exchange Students
Republic of Korea(The National Institute for International Education)
Providing a monthly stipend of US\$752 for four months
- Dec.2013 National Endeavor Scholarship (Top 10%,US\$790), UESTC

Extracurricular Activity

- Jun.2015– **Mentor for freshmen**
- Jun.2016 Guided freshmen to adapt to college life and provided necessary support both in life and study.
- Dec.2014– **Di Meng organization for public welfare** Core member
- Jun.2015 Raising money and facilities for the remote middle schools.
Popularizing positive energy to teenagers (age 12-15) in rural areas via inviting famous people, in particular, entrepreneur and people of disability, to give a speech.

Skills

Programming C/C++, Python, L^AT_EX, Matlab

Languages Mandarin(native), English(IELTS:6.5, scoring 9 in reading), Japanese(Basic)