

Xiaoman Wang

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Education

Huazhong University of Science and Technology

Wuhan, China

B.S. IN THERMAL ENERGY AND POWER ENGINEERING

Exp. Jun. 2017

- Relevant Courses: Engineering Heat Transfer (99/100), Thermodynamics (91/100), Fluid Dynamics (99/100) Numerical Methods (98/100), C++ programming design (96/100)
- GPA: 91.9/100 | Rank: 1/320 | TOEFL: 108 (R30+L28+S26+W24) | GRE: V158+Q168+AW3.5

RESEARCH

iSURE Program in University of Notre Dame (on going)

MEMT

ADVISOR: PROF. TENGFEI LUO

Aug. 2016 - Jul. 2016

- Set up an experimental platform for thin film evaporation.
- Compared the difference in evaporation flux between patterned surface and flat silicon plate.

Research on thermal conductivity of Aluminum thin film

NHG

ADVISOR: PROF. NUO YANG

May. 2016 - present

- Considered spreading effect inside thin films with extremely high thermal conductivity while building the measurement model on three-omega method.

Research on steady-state method outside vacuum chamber

NHG

ADVISOR: PROF. NUO YANG

Mar. 2016 - Jun. 2016

- Inserted convection and radiation coefficient into original steady-state equation.
- Proofread the modified method with platinum microwire.
- Wrote a Lab View program to collect data automatically.

TECO Green Tech International Contest

Taiwa

ADVISOR: PROF. SHUIMING SHU

Aug. 2015

- Designed a biaxial auto-control solar tracer with zero-energy consumption with other team members.
- Selected the phase change material to transfer the solar energy
- Delivered the final speech.
- Honored with LEKO Technical Award.

Publication

- 2016 **D.K Ma, H Meng, X.M Wang, N Yang, X Zhang**, 'The unexpected thermal conductivity from graphene disk, carbon nanocone to carbon nanotube' arXiv:1605.01471

Patent

- 2015 **X.M Wang**, 'A Hot-pot Basket' (ZL 2015 2 0164419.0)

Honors & Awards

- | | | |
|------|---|-----------|
| HUST | Exemplar Student Scholarship , Issued to top 0.0625% among all four year undergraduates | 2015 |
| HUST | National Scholarship Two times , Issued to top 2% among all competitors | 2014,2015 |
| HUST | Merit Student Scholarship Two times , Issued to top 4% among all competitors | 2014,2015 |
| HUST | Model Student , Issued to top 1% among first and second year students of Energy & Power School | 2014 |
| HUST | Outstanding Freshmen , Issued to top 1% among first year students of Energy & Power School | 2014 |

Skills

- | | |
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| Lab | Three-omega, Raman, Photolithography, magnetron sputtering, Ellipsometry, |
| App | AutoCAD, Solidwork, Origin, Lab View, EES,ImageJ, |
| Lan | C++, HTML, |