

**Ri Na**  
rina.btt@gmail.com

### **Education**

- o Ph.D. candidate, Construction Engineering and Management, University of Nebraska-Lincoln, since January 2016  
Dissertation: "*A Comprehensive Evaluation of Potential Energy Savings Using Self-ventilated Cavity Walls*"
- o M.S. in Construction Management, University of Nebraska-Lincoln, 2013  
Thesis: "*Investigating the Impact of Construction Quality on the Energy Performance of Residential Building—A Case Study*"
- o Bachelor of Engineering in Construction Estimating, Chang'an University (China), 2010

### **Experience**

- o Teaching Assistant, 2013-present, the Durham School of Architectural Engineering and Construction, University of Nebraska-Lincoln
  1. AE 2250 – Construction Graphics and Design Process (BIM), spring 2016  
Duties included lecturing, grading, and lab demonstrations.
  2. CNST 440 – Introduction to BIM, spring 2016  
Duties included lecturing, grading, and lab demonstrations.
  3. CNST 225 (two sections) – Introduction to BIM, fall 2015  
Duties included lecturing, grading, lab demonstrations, preparing lecture and lab notes, and creating term projects
  4. CONE 450 – Sustainable Construction, spring 2015
  5. CNST 420 – Professional Practice and Ethics, fall 2013 - spring 2015
  6. CNST 131 – Introduction to the Construction Industry, fall 2013
  7. CNST 379 – Construction Estimating II, spring 2013  
Duties included grading, lab demonstrations using On-Screen and Timberline Estimating
- o Research Assistant, 2012-2013, the Durham School of Architectural Engineering and Construction, University of Nebraska-Lincoln  
Project: *quantitative evaluation of energy loss from air leakage through recessed lighting fixtures*
- o Estimator, 2010, China Construction First Building Group Corporation Limited, Tianjin, China

### **Publications**

1. Na, R., Lin, S., Shen, Z., Gu, L. (under review). "A Case Study of Quantifying Energy Loss through Ceiling-Attic Recessed Lighting Fixtures through 3D Numerical Simulation". *ASCE J. Archit. Eng*
2. Na, R., Shang, Z., Shen, Z. (accepted). "Time-lapse of Cavity Brick Wall Temperature Profiles Using Infrared Thermography". *Associated Schools of Construction-Annual International Conference Proceedings*, April 13-16, 2016, Salt Lake City, UT

3. Na, R., Lin, S., Shen, Z., Gu, L. (2014). "Evaluating Energy Loss through Recessed Lighting Fixtures (RLF) in Residential Buildings through a Case Study". *Computing in Civil and Building Engineering*, June 23-25, Orlando, FL
4. Na, R., Lin, S., Shen, Z., Gu, L. (2013). "Impact of air leakage through recessed lighting fixtures on the energy performance of residential buildings-a case study". *The 3rd International Conference Central Europe towards Sustainable Building (CESB13)*, June 26 – 28, Prague, Czech Republic.

### **Peer Reviewer**

1. The 50th ASC Annual International Conference, March 26-28, 2014, Washington D.C
2. Construction Research Congress, May 30-June 2, 2016, San Juan, Puerto Rico
3. International Conference on Sustainable Design, Engineering and Construction, May 18 – 20, 2016, Tempe, AZ

### **Major Courses**

1. CNST 898. Build Information Modeling and Simulation
2. CNST 885. Construction Planning, Scheduling and Control
3. CNST 834. Design/Build Project Delivery System
4. CNST 881. Highway and Bridge Construction
5. STAT 801 Statistic Methods in Research
6. GRBA 810 Contemporary Managerial Accounting
7. GRBA 811 Managerial Finance

### **BIM Skills**

- o Proficient in modeling using Autodesk Revit Architecture, Structure, and MEP
- o Proficient in 4D modeling, animation and clash detection using Autodesk Navisworks
- o Worked as undergraduate BIM courses TA from 2015 to 2016

### **Language Skills**

- o Chinese: speaking, reading, writing and listening as native language
- o English: fluent in speaking, reading, writing and listening

### **Honors/ Awards/Certificates**

- o CPC (registered in the exam in April 2016)
- o LEED Green Associate, 2015
- o Certificate of National Construction Cost Estimator (China), 2009
- o Excellent Individual in Civil Engineering School, Chang'an University (China), 2006