

Lucas LI

LEED AP BD+C
M.S. (Purdue); B.Eng. (Tongji)

Competition Manager

Solar Decathlon China

lucas.li@sdchina.org.cn

+86 176 1122 6311

<http://lucas.sdchina.org.cn>

Beijing, China

EDUCATION

2015	Master of Science	Architectural Engineering	Purdue University
2012	Bachelor of Engineering	Building Environment & Facilities Engineering	Tongji University

EXPERIENCE

Aug 2016 – Current	Competition Manager	Solar Decathlon China	Beijing
Jun 2014 – Jun 2015	Research Assistant	School of Civil Engineering, Purdue University	West Lafayette

PUBLICATIONS

- Performance evaluation of building integrated solar thermal shading system: Active solar energy usage. L. Li, M. Qu, S. Peng. *Renewable Energy* 109 (2017) 576-565
- Performance evaluation of building integrated solar thermal shading system: Building energy consumption and daylight provision. L. Li, M. Qu, S. Peng. *Energy and Buildings* 113 (2016) 189-201

SKILLS & EXPERTISE

eQuest, EnergyPlus, TRNSYS, Ecotect, Daysim, ANSYS, AutoCAD, SketchUp, HTML, CSS, Javascript, Visual Basic, Matlab

SELECTED PROJECTS

2016 – 2018 (Solar Decathlon China)

- Competition Management – Rules, Building Code, Teams, Deliverables, Jury, Scoring, etc. Beijing/Dezhou
- Site Operation – Entrance, Signage, Site Planning, etc.
- Communication – Official Website, Workshop Training, Team Visits, etc.

2013 – 2015 (Graduate study at Purdue)

- Performance Evaluation of Building Integrated Solar Thermal Shading System West Lafayette
- Airflow, Energy, and HVAC System Analysis and Design for the Gatewood Wing Building
- Building Energy Audits for Residential and Commercial Buildings
- Annual Daylight Performance Analysis of an Office in Atlanta
- Photovoltaic Size Analysis for a Residential Building

2008 – 2012 (Undergraduate study at Tongji)

- Central HVAC System Design for Bantang Hotel Shanghai
- A Study on the Acoustic Environment of Tongji Library