

Resume

Personal Information

Full Name: Liang YU

Sex: Female

Date of Birth: 1976.10

Nationality: China

Position: Associate professor in Municipal and Environmental Engineering College

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Shenyang Jianzhu University, Hunnan East Road No.9, Hunnan District,
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Education Background

2006.04-2008.10 PH.D in Building Environmental Engineering, Kyushu University, Japan

2003.04-2006.03 Master in Building Environmental Engineering, Kyushu University, Japan

1995.09-1998.07 Computer and its application, Shenyang University, China

1994.09-1998.07 BA in Architectural Engineering Major, Shenyang University, China

Work Experience

2011.01- present

Teaching and Researching in Municipal and Environment Engineering Institute of Shenyang Jianzhu University, **Associate professor**

2009.12-2010.12

Teaching and Researching in Municipal and Environment Engineering Institute of Shenyang Jianzhu University, **Lecture**

2008.10-2009.12

Working in Shenyang Environmental Protection Bureau, Shenyang environmental Science Research Institute, **Engineering**

1999.08-2003.04

Working in Shenyang Environmental Protection Bureau, Shenyang environmental Science Research Institute, **Engineering**

1998.07-1999.08

Working in Shenyang Environmental Protection Bureau, Shenyang environmental Science Research Institute, **Assistant Engineering**

Academic Memberships

1. Member of Architectural Institute of Japan, AIJ
2. Member of Green Building Council of Shenyang, China
3. Member of China Green Building Council Youth Committee

Research Direction

I have mainly engaged in the green building technology and evaluation, the evaluation & technology of green transformation of existing buildings, sustainable low energy consumption building technology, environmental safety and health control of building, diagnosis and optimization of building energy consumption, contravert energy management and so on.

Research Projects

Project Manager

1. Presided over the evaluation model and evaluation of the green construction of the existing residential buildings in the cold and cold regions under the auspices of the National Natural Science Foundation of china, (51408376), 2014.12-2017.12
2. Chaired the China Postdoctoral Science Foundation of the fifty-ninth batch of funding projects, 2016.05-2017.05
3. Presided over the Ministry of science and technology "13th Five-Year" key research project "the green building industry high performance of external wall and window technology adaptability research" (2016YFC0700103-02), 2016.07-2020.16
4. Conducted research on the optimal allocation method and application technology of building energy system in cold regions by the Ministry of science and technology "12th Five-Year" science and technology support program" (2011BAJ05B02-04), 2010.12-2015.12
5. Presided over the research and application of energy saving technical performance verification and energy monitoring management system for heating system in northeast cold region" (2011-K1-31), 2010.12-2012.12
6. Presided over the Ministry of housing and urban rural construction project "cold and cold area of existing residential building green transformation evaluation model construction and evaluation method" (2015-R1-022), 2015.01-2017.12
7. Conducted a study on the evaluation model of green construction evaluation of existing residential buildings based on multi factor environmental performance in Liaoning province science and technology department (2015020631), 2015.01-2017.12

8. Conducted a study on the evaluation index system and comprehensive evaluation method of green building in cold and cold regions of Liaoning province (L2013226), 2013.01-2016.12
9. Conducted a study on the POE post evaluation system of environmental performance evaluation and carbon emissions of green building in Shenyang (F14-231-1-30), 2014.01-2016.12
10. Conducted a study on the evaluation model and evaluation of the green renovation of existing residential buildings in the cold area by Shenyang Construction University (SJZUBSH201622), 2015.01-2017.12
11. Conducted a study on the characteristics of atmospheric particulate pollutants and the impact on indoor air quality in Shenyang city environmental protection bureau, 2015.07-2017.07

Projects involved in :

1. Involved in a study on the heat and moisture and air coupling transfer and the control of microbial growth in the building wall" (51308353), 250 thousand, research ongoing
2. Involved in a study on the coupling mechanism and characteristics of PVT-AW-PCES integrated system in the project of National Natural Science Foundation of china (51308352), 250 thousand, research completed
3. Involved in research and analysis on the application effect of the complete sets of technology reform project of the public institution building "12th Five-Year" by the Ministry of science and technology (2013BAJ15B06-02), 900 thousand, research completed
4. Involved in the research and demonstration of the integration of rural residential energy storage system and ventilation technology in the project of "12th Five-Year" science and technology support program of the Ministry of science and technology of china (2012BAJ26B02), 3 million 340 thousand, research completed
5. Participated in the Ministry of science and technology "12th Five-Year" science and technology support program sub project "cold region energy system optimization project demonstration (2011BAJ05B02-06), 800 thousand, research completed
6. Participated in the national science and technology ministry "12th Five-Year" science and technology support program sub project "cold area of low energy building energy saving design and energy complementary heating technology research and demonstration" (2011BAJ05B02), 3 million 640 thousand, research completed
7. Participated in the science and technology support program of the Ministry of science and technology of China in "12th Five-Year" -- the research on the application of conventional and renewable energy (2011BAJ05B02-05), 1 million 470 thousand, research completed
8. Participated in the science and technology support program of the Ministry of science and technology of China in "12th Five-Year" -- the research of heating source and its suitability in cold regions (2011BAJ05B01-04), 510 thousand, research completed
9. Participated in the demonstration project research on the energy saving technology of typical residential buildings in cold regions (International Science and technology cooperation sub project)

(2010DFA72740-06-04), 100 thousand, research completed

10. Involved in the key technologies of building energy saving and indoor environment control in cold regions of Liaoning province program (LT2013013), 500 thousand, research ongoing

11. Involved in the investigation and analysis of energy consumption of ground source heat pump air conditioning system for large public buildings in Shenyang area(2014-K1-054), 200 thousand, research completed

12. Involved in a study on the mechanism of microbial diffusion and pollution control in air conditioning system of Liaoning Provincial Department of Education (L2015440), 100 thousand, research ongoing

13. Involved in a study on the diffusion mechanism of fine particulate matter PM2.5 and indoor air pollution control technology in the Ministry of housing and urban rural development (2016-K1-020), research ongoing

14. Involved in the research and demonstration of Key Technologies of high efficient utilization of renewable energy heating system in cold regions of Shenyang science and technology bureau (F13-160-9-00), 250 thousand, research ongoing

15. Involved in the general technical standards of the State Ministry of housing and urban rural construction projects in rural fire system (2010-1-119), 150 thousand, research completed

Publications

Books :

1. “*Environmental Perspective View for Sustainable Architecture*” (ISBN 978-7-112-20255-3), published by China Architecture & Building Press, Dec. 2016

2. “*Assessment standard for green retrofitting of existing building*” (GB/T 51141-2015), published by China Architecture & Building Press, Dec. 2015

3. “*Technical specification for rural Kang system*” (JGJ/T 358-2015), published by China Architecture & Building Press, Dec. 2015

4. “*Assessment standard for green building in Shenyang City*” (DB2101/T0092012), published in Dec. 2012

5. “*Assessment standard for green building of Detailed Rules and Regulations in Shenyang City*” (DB2101/T0102012), published in Dec. 2012

6. “*Assessment standard for green building in Shenyang City*” (DB2101/T0092015), published in Dec. 2015

7. “*Assessment standard for green building of Detailed Rules and Regulations in Shenyang City*” (DB2101/T0102015), published in Dec. 2015

8. “*Green Retrofitting for Existing Office Buildings-case Studies*” (ISBN 978-7-112-18204-6), published by China Architecture & Building Press in Sep. 2015

9. “*Foreign Standard and Case Studies for Green Retrofitting of Existing Building*” (ISBN 978-7-

112-19280-9), published by China Architecture & Building Press in Jun. 2016

Papers:

[1] **Liang Yu**, Qiang Li etc. Application Technology Research and Prospective Analysis of building Energy Consumption Database. Advanced Materials Research. Vols. 616-618 (2013) pp 1170-1174. (EI)

[2] **Liang Yu**, Mengyun Sun etc. Research on the Energy Efficiency Evaluation System for Surface Water Source Heat Pump System in Northeast Cold Region of China. Applied Mechanics and Materials. Vols. 361-363 (2013) pp 220-223. (EI)

[3] **Liang Yu**, Toshiyuki Watanabe etc. Research on energy consumption of urban apartment buildings in China. Transactions of AIJ. Journal of environmental engineering / Architectural Institute of Japan , 2008.02 , Vols.73 , No.624. (EI)

[4] **Liang Yu**, Toshiyuki Watanabe etc. A Questionnaire Survey Study on Energy Consumption of Residential Buildings in Northeast Region of China (Journal of Harbin Institute of Technology, 2007.01, Vol.14, 2007)(EI)

[5] **Liang Yu**, Sun zhenbo etc. Research on the Post Occupancy Evaluation of Green Public Building Environmental Performance combined with Carbon Emissions Accounting (ISHVAC-COBEE 2015)(EI)

[6] **Liang Yu**, Gao wei etc. The Research of POE System and Method of Urban Green Residential Environmental Performance in Severe Cold and Cold Regions (ISHVAC-COBEE 2015) (EI)

[7] **Liang Yu**, Wang haiyu etc. Research on the Establishment of Green Diagnostic System for Air Conditioning System in Public Buildings (ISHVAC-COBEE 2015)(EI)

[8] **Liang Yu**, Ding ran etc. The Practice Research Based on the POE System of Environmental Performance of Green Residential Building (CCHVAC 2015)(EI)

[9] **Liang Yu**, Wang siwen etc. Sensitivity analysis of existing residential building energy consumption influencing factors in cold regions (CCHVAC 2015)(EI)

[10] **Liang Yu**, Chen shuang etc. A Maternity Hospital in Shenyang Indoor Environment Performance Influence Factor Analysis (CCHVAC 2015)(EI)

Software Copyright:

1. Building energy consumption monitoring and evaluation database system in severe cold area V1.0
2. Software for post evaluation of urban green residential environment performance in cold and cold regions V1.0
3. Software for evaluating environmental performance of green buildings in severe cold region V1.0
4. Green diagnostic tool for air conditioning system of existing public buildings in cold regions V1.0