

Yedong Chen

PHD STUDENT · CHINA UNIVERSITY OF MINING AND TECHNOLOGY

1 Daxue Road, Xuzhou, Jiangsu, 221116, P.R.China.

✉ yedongc01@gmail.com | 🏠 yedongchen.com

Education

China University of Mining and Technology

Xuzhou, Jiangsu, China

PH.D., MUNICIPAL ENGINEERING, SCHOOL OF MECHANICS AND CIVIL ENGINEERING

2020.09-Present

- Supervisor: Chang Jiang
- Dissertation: Research on Land Use Layout Optimization and Regulation of Coal Resource-Based Cities under Spatial Compactness Orientation (in Chinese)
- Research Focus: Mining City Renewal, Urban Land Use Layout Planning

Shandong Jianzhu University

Jinan, Shandong, China

MASTER'S DEGREE, LANDSCAPE ARCHITECTURE, SCHOOL OF ARCHITECTURE AND URBAN

2017.09-2020.06

PLANNING

- Supervisors: Song Feng, Wang Wenwen
- Thesis: Research on the Landscape Features of Furong Street-Baihua Lake Historical and Cultural Block Based on Landscape Visual Evaluation (in Chinese)
- Research Focus: Landscape Architecture Planning and Design

Shandong Agricultural University

Tai'an, Shandong, China

BACHELOR'S DEGREE, ENVIRONMENTAL DESIGN, COLLEGE OF FORESTRY

2013.09-2017.06

Publications

PUBLISHED

- Chen, Yedong, Jiang Chang, Zixuan Li, Li Ming, and Cankun Li. 2024. "Influence of Land Use Change on Habitat Quality: A Case Study of Coal Mining Subsidence Areas." *Environmental Monitoring and Assessment* 196(6): 535.
- Xu, Ziqi, Jiang Chang, Ziyi Wang, Zixuan Li, Xiaoyi Liu, Yedong Chen, Zhongyin Wei, and Jingyu Sun. 2024. "Regional Urban Shrinkage Can Enhance Ecosystem Services—Evidence from China's Rust Belt." *Remote Sensing* 16(16): 3040.
- Chen, Yedong, Jiang Chang, Zixuan Li, Li Ming, Cankun Li, and Cheng Li. 2023. "Coupling Coordination and Spatiotemporal Analysis of Urban Compactness and Land-Use Efficiency in Resource-Based Areas: A Case Study of Shanxi Province, China." *Land* 12(9): 1658.
- Li, Zixuan, Jiang Chang, Ziyi Wang, Yedong Chen, and Cheng Li. 2023. "Stability of Regional Ecological Supply-Demand Is Enhanced by Complex Network Modelling: Evidence from the Xuzhou Metropolitan Area, China." *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*.
- Chen Yedong, Xu Ziqi, Jiang Chang, and Zhuang Fei. (2023). Research on the Coupling Coordination and Spatiotemporal Evolution of Urban Compactness and Land Use Structure in Resource-Based Areas. *Planning Empowerment—Proceedings of the 2023 China Urban Planning Annual Conference (20 General Planning)* (pp. 517-530). (in Chinese)
- Jiang, CHANG, CHEN Yedong, LI Zixuan, WANG Hui, and FENG Shanshan. 2022. "The Characteristics and Dynamic Mechanism of Regional Development and Evolution of Pan'an Lake." *Coal Geology & Exploration* 50(4): 5.
- Ming, Li, Jiang Chang, Cheng Li, Yedong Chen, and Cankun Li. 2022. "Spatial-Temporal Patterns of Ecosystem Services Supply-Demand and Influencing Factors: A Case Study of Resource-Based Cities in the Yellow River Basin, China." *International Journal of Environmental Research and Public Health* 19(23): 16100.
- Jiang Chang, Chen Yedong, Li Zixuan, Wang Hui, and Feng Shanshan. (2022). Study on the Characteristics and Driving Factors of the Evolution of Pan'an Lake Regional Development. *Coal Geology & Exploration* (04), 25-34. (in Chinese)

- Han, Xueqi, Sihao Gu, Zhicheng Zhuang, Li Ming, and Yedong Chen. 2021. "Accessibility of Pocket Parks in Xuzhou Old City Based on Space Syntax Theory." *International Journal of Environmental Sustainability and Protection* 1(1): 41–50.
- Jiang Chang, Li Ming, and Chen Yedong. (2021). *Comprehensive Ecological Restoration in Coal Resource-Based Cities under Planning Guidance—A Case Study of Gujiao, Shanxi Province*. *China Coal* (05), 83-90. (in Chinese)
- Wang Lin, Song Feng, and Chen Yedong. (2020). Exploring the Landscape Characteristics of Rural Settlements in the Song Dynasty through the Scroll of "A Thousand Miles of Rivers and Mountains". *Journal of Fine Arts* (05), 31-37. (in Chinese)
- Song Feng, Wang Lin, and Chen Yedong. (2020). Research on the Landscape Characteristics and Cultural Continuity of the Eight Views of Jinan in the Chongzhen Period of the Ming Dynasty. *Famous Cities of China* (08), 71-75. (in Chinese)
- Wang Lin, Song Feng, and Chen Yedong. (2020). Exploration of Rural Landscape Creation in the "Forty Views of the Yuanmingyuan". *Urban Architecture* (05), 155-157+185. (in Chinese)
- Song Feng and Chen Yedong. (2019). Micro-Update Strategies for Traditional Community Public Spaces Based on PSPL Survey Method—A Case Study of Jiangjunmiao Historical and Cultural Block in Jinan. *Famous Cities of China* (09), 55-60. (in Chinese)
- Wang Lin and Chen Yedong. (2019). Application of Mirror Artworks in Landscape Design—A Case Study of Martha Schwartz's Labyrinth Garden. *Art Education Research* (15), 90-91. (in Chinese)
- Zhang Yilun, Ding Guoxun, and Chen Yedong. (2019). Research on the Application of Text in Baotu Spring Park, Jinan. *Art Education Research* (11), 82-83. (in Chinese)
- Chen Yedong and Song Feng. (2019). Cultural Connotations of Landscape Paving—Paving Art of Baotu Spring Park. *Ancient Architecture and Garden Technology* (01), 32-36. (in Chinese)
- Chen Yedong and Song Feng. (2018). Research on the Landscape Features of Cultural Heritage Streets—A Case Study of the Core Protection Area of Shandong University's West Campus Historical and Cultural Street. *China Society of Landscape Architecture. Proceedings of the 2018 Annual Meeting of the China Society of Landscape Architecture* (pp. 709-710). China Architecture & Building Press. (in Chinese)
- Chen Yedong. (2018). Research on Plant Application in Low-Impact Development. *Proceedings of the 2018 Architectural Science and Management Academic Exchange Conference* (pp.55). (in Chinese)

Awards, Fellowships, & Grants

- 2022 **Best Paper/Best Oral Presentation**, 9th International Conference on Energy, Resources, Environment and Sustainable Development
- 2020 **First-Class Ph.D. Scholarship**, China University of Mining and Technology
- 2020 **Outstanding Master's Thesis**, Shandong Provincial Department of Education
- 2020 **Outstanding Master's Thesis**, Shandong Jianzhu University
- 2019 **First-Class Master's Scholarship**, Shandong Jianzhu University
- 2019 **Outstanding Graduate Student Leader**, Shandong Jianzhu University
- 2017 **First Prize for Creative Flower Bed Design at the 2nd Hebei (Qinhuangdao) Garden Expo**, China Landscape Architecture Network and Yuan Ye Cup Competition Committee
- 2013-2016 **National Encouragement Scholarship**, Ministry of Education of the People's Republic of China

Presentations

CONTRIBUTED PRESENTATIONS

Chen, Yedong. (2023). Research on the Spatiotemporal Evolution and Coupling Coordination of Urban Compactness and Land Use Structure in Resource-Based Areas. 2023 China Urban Planning Annual Conference.

Chen, Yedong. (2022). Evolution Characteristics and Coping Strategies of Coal Resource-Based Cities from the Perspective of Smart Shrinkage. Xi'an Jiaotong-Liverpool University 2022 Doctoral Forum.

Chen, Yedong. (2022). The Mechanism of Urban Compactness on Land Use Efficiency and Planning Response in Coal Resource-Based Cities. China University of Mining and Technology Institute of Architecture and Urban Planning 2022 Doctoral Forum.

Chen, Yedong. (2022). Shrinkage Characteristics and Planning Strategy of Sanhui Town in Chongqing from the Perspective of Smart Shrinkage. 9th International Conference on Energy, Resources, Environment, and Sustainable Development.

Teaching Experience

- 2019 **Landscape Planning and Design**, Teaching Assistant, Shandong Jianzhu University
- 2019 **Ancient Architecture Survey and Drawing**, Teaching Assistant, Shandong Jianzhu University
- 2020 **Modern Landscape Planning and Design**, Teaching Assistant, Shandong Urban Construction Vocational College

Research Experience

- | | |
|--|---|
| <p>Liulin County Natural Resources Bureau LAND AND SPACE ECOLOGICAL RESTORATION PLANNING OF LIULIN COUNTY (2021-2035)</p> | <p><i>Lvliang, Shanxi, China</i> 2023.09 - 2024.03</p> |
| <p>Jiangsu Graduate Research Innovation Program RESEARCH ON THE MECHANISM OF URBAN COMPACTNESS ON LAND USE EFFICIENCY AND PLANNING RESPONSE</p> | <p><i>Xuzhou, Jiangsu, China</i> 2022.03 - 2023.03</p> |
| <p>China University of Mining and Technology Doctoral "Future Scientist" Program RESEARCH ON THE MECHANISM OF URBAN COMPACTNESS ON LAND USE EFFICIENCY AND PLANNING RESPONSE</p> | <p><i>Xuzhou, Jiangsu, China</i> 2022.03 - 2023.03</p> |
| <p>Anhui Provincial Institute of Urban and Rural Planning SPECIAL RESEARCH ON ECOLOGICAL RESTORATION PLANNING OF HUAIBEI (2021-2035)</p> | <p><i>Hefei, Anhui, China</i> 2022.01 - 2022.12</p> |
| <p>Xuzhou Science and Technology Plan Project - Key Research and Development Plan (Social Development) RESEARCH AND DEMONSTRATION ON WETLAND ECOLOGICAL RESTORATION AND GREEN DEVELOPMENT IN COAL MINING SUBSIDENCE AREAS IN XUZHOU</p> | <p><i>Xuzhou, Jiangsu, China</i> 2021.07 - 2023.08</p> |
| <p>Agence Française de Développement COAL MINE AREA REGENERATION EXPERIENCES IN CHINESE PROVINCES IN THE CONTEXT OF THE NATIONAL COAL PHASE-OUT POLICY</p> | <p><i>Xuzhou, Jiangsu, China</i> 2020.10 - 2021.03</p> |
| <p>Jincheng Blue Flame Coal Industry Co., Ltd. URBAN DESIGN FOR THE TRANSFORMATION AND DEVELOPMENT OF FENGHUANGSHAN MINE</p> | <p><i>Jincheng, Shanxi, China</i> 2020.08 - 2021.01</p> |

Shandong Provincial Department of Housing and Urban-Rural Development
RESEARCH ON HISTORICAL PROTECTION AND LANDSCAPE FEATURES OF TOWNS ALONG THE
SHANDONG SECTION OF THE BEIJING-HANGZHOU GRAND CANAL

Jinan, Shandong, China

2017.05 - 2019.01

National Natural Science Foundation of China
RESEARCH ON THE SPATIOTEMPORAL EVOLUTION PATTERN AND OPTIMIZATION MODEL OF GREEN
INFRASTRUCTURE IN COAL RESOURCE-BASED CITIES

Xuzhou, Jiangsu, China

2017.01 - 2021.01

Shandong Major Social Science Planning Project
GREEN DEVELOPMENT CONCEPT AND GREEN CITY AESTHETICS CONSTRUCTION—A CASE STUDY OF
GREEN CITY PLANNING IN JINAN

Jinan, Shandong, China

2016.08 - 2019.08

陈业东

博士研究生 · 中国矿业大学

中国江苏省徐州市大学路1号 221116

✉ yedongc01@gmail.com | 🌐 yedongchen.com

教育经历

中国矿业大学

博士，市政工程专业，力学与土木工程学院

· 导师：常江

· 毕业论文：紧凑导向下煤炭资源型城市用地布局及规划调控

· 研究方向：城市用地结构优化、城市用地功能混合利用、国土空间规划

中国，江苏，徐州

2020.09-至今

山东建筑大学

硕士，风景园林专业，建筑城规学院

· 导师：宋凤，王文雯

· 毕业论文：基于景观视觉评价的芙蓉街-百花洲历史文化街区景观风貌特征研究

· 研究方向：风景园林规划与设计

中国，山东，济南

2017.09-2020.06

山东农业大学

学士，环境设计专业，林学院

中国，山东，泰安

2017.09-2020.06

学术成果

学术论文

Chen, Yedong, Jiang Chang, Zixuan Li, Li Ming, and Cankun Li. 2024. "Influence of Land Use Change on Habitat Quality: A Case Study of Coal Mining Subsidence Areas." *Environmental Monitoring and Assessment* 196(6): 535.

Xu, Ziqi, Jiang Chang, Ziyi Wang, Zixuan Li, Xiaoyi Liu, Yedong Chen, Zhongyin Wei, and Jingyu Sun. 2024. "Regional Urban Shrinkage Can Enhance Ecosystem Services—Evidence from China's Rust Belt." *Remote Sensing* 16(16): 3040.

Chen, Yedong, Jiang Chang, Zixuan Li, Li Ming, Cankun Li, and Cheng Li. 2023. "Coupling Coordination and Spatiotemporal Analysis of Urban Compactness and Land-Use Efficiency in Resource-Based Areas: A Case Study of Shanxi Province, China." *Land* 12(9): 1658.

Li, Zixuan, Jiang Chang, Ziyi Wang, Yedong Chen, and Cheng Li. 2023. "Stability of Regional Ecological Supply-Demand Is Enhanced by Complex Network Modelling: Evidence from the Xuzhou Metropolitan Area, China." *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*.

陈业东, 徐子棋, 常江与庄飞. (2023). 资源型地区城市紧凑度与用地结构时空演变及耦合协调研究. 人民城市, 规划赋能——2023中国城市规划年会论文集(20总体规划)(pp.517-530).

Jiang, CHANG, CHEN Yedong, LI Zixuan, WANG Hui, and FENG Shanshan. 2022. "The Characteristics and Dynamic Mechanism of Regional Development and Evolution of Pan'an Lake." *Coal Geology & Exploration* 50(4): 5.

Ming, Li, Jiang Chang, Cheng Li, Yedong Chen, and Cankun Li. 2022. "Spatial-Temporal Patterns of Ecosystem Services Supply-Demand and Influencing Factors: A Case Study of Resource-Based Cities in the Yellow River Basin, China." *International Journal of Environmental Research and Public Health* 19(23): 16100.

常江, 陈业东, 李梓萱, 王惠与冯姗姗. (2022). 潘安湖区域发展演变特征及驱动因素研究. 煤田地质与勘探(04), 25-34.

Han, Xueqi, Sihao Gu, Zhicheng Zhuang, Li Ming, and Yedong Chen. 2021. "Accessibility of Pocket Parks in Xuzhou Old City Based on Space Syntax Theory." International Journal of Environmental Sustainability and Protection 1(1): 41-50.

常江, 明莉与陈业东. (2021). 规划引领下的煤炭资源型城市全域生态修复——以山西省古交市为例. 中国煤炭(05), 83-90.

王琳, 宋凤与陈业东. (2020). 《千里江山图》卷中的宋代乡村聚落景观特征探源. 美术学报(05), 31-37.

宋凤, 王琳与陈业东. (2020). 明代崇祯济南八景的景观特征及文脉传承研究. 中国名城(08), 71-75.

王琳, 宋凤与陈业东. (2020). 《圆明园四十景图》中的田园景观营造探究. 城市建筑(05), 155-157+185.

宋凤与陈业东. (2019). 基于PSPL调研法的传统社区公共空间微更新策略研究——以济南将军庙历史文化街区为例. 中国名城(09), 55-60.

王琳与陈业东. (2019). 镜像小品在景观设计中的应用探究——以玛莎·施瓦茨迷宫园为例. 美术教育研究(15), 90-91.

张轶伦, 丁国勋与陈业东. (2019). 济南趵突泉公园文字应用研究. 美术教育研究(11), 82-83.

陈业东与宋凤. (2019). 园林铺地文化内涵——趵突泉公园铺地艺术. 古建园林技术(01), 32-36.

陈业东与宋凤. (2018). 文化性历史文化街区景观风貌要素研究——以山东大学西校区历史文化街区核心保护区为例. 中国风景园林学会. 中国风景园林学会2018年会论文集(pp.709-710). 中国建筑工业出版社.

陈业东.(2018).低影响开发中植物应用研究. 2018年6月建筑科技与管理学术交流会议论文集(pp.55).

学位论文

陈业东. (2020). 基于景观视觉评价的芙蓉街-百花洲历史文化街区景观风貌特征研究. 山东建筑大学.

奖项及奖学金

2022 最佳论文/最佳口头汇报, 第九届能源、资源环境与可持续发展国际会议

2020 博士研究生一等奖学金, 中国矿业大学

2020 优秀硕士学位论文, 山东省教育厅

2020 优秀硕士学位论文, 山东建筑大学

2019 硕士研究生一等奖学金, 山东建筑大学

2019 优秀研究生干部, 山东建筑大学

2017 河北省第二届(秦皇岛)园博会花境创意作品一等奖,
中国风景园林网与园冶杯竞赛组委会

2013-2016 国家励志奖学金, 中华人民共和国教育部

会议报告

参与汇报

陈业东. (2023). 不同阶段下资源型地区城市用地结构时空演变及驱动因素—以山西省为例. 第六届全国资源科学青年科学家论坛.

陈业东. (2023). 资源型地区城市用地结构时空格局演变及驱动机制. 2023中国自然资源科学大会.

陈业东. (2022). Evolution characteristics and coping strategies of coal resource-based cities from the perspective of smart shrinkage. 西交利物浦大学2022年博士生论坛.

陈业东. (2022). 基于景观视觉评价的芙蓉街-百花洲历史文化街区景观风貌特征研究. 第二届绿色建筑与生态城市 (博士) 论坛.

陈业东. (2022). Shrinkage characteristics and planning strategy of Sanhui town in Chongqing from the perspective of smart shrinkage. 第九届能源、资源环境与可持续发展国际会议.

教学经历

2019 景观规划设计, 助教, 山东建筑大学

2019 古建筑测量与制图, 助教, 山东建筑大学

2020 现代景观规划设计, 助教, 山东城市建设职业学院

项目经历

柳林县自规局

柳林国土空间生态修复规划 (2021-2035)

中国, 山西, 吕梁

2023.09 - 2024.03

江苏省研究生科研创新计划

城市紧凑度对土地利用效率作用机制及规划响应研究

中国, 江苏, 徐州

2022.03 - 2023.03

中国矿业大学博士生“未来科学家”计划

城市紧凑度对土地利用效率作用机制及规划响应研究

中国, 江苏, 徐州

2022.03 - 2023.03

安徽省城乡规划局

淮北国土空间生态修复规划 (2021-2035) 专题研究

中国, 安徽, 合肥

2022.01 - 2022.12

徐州市科技计划项目-重点研发计划 (社会发展)

徐州市采煤塌陷湿地生态修复及绿色开发利用技术研究与应用示范

中国, 江苏, 徐州

2021.07 - 2023.08

Agence Française de Développement

Coal mine area regeneration experiences in Chinese provinces in the context of the Coal phase out national policy

中国, 江苏, 徐州

2020.10 - 2021.03

晋城蓝焰煤业股份有限公司

凤凰山矿转型发展城市设计

中国, 山西, 晋城

2020.08 - 2021.01

山东省住房和城乡建设厅

京杭大运河山东段沿线城镇历史保护与风貌特色研究

中国, 山东, 济南

2017.05 - 2019.01

国家自然科学基金

煤炭资源型城市绿色基础设施时空演变规律及其优化模型研究

中国, 江苏, 徐州

2017.01 - 2021.01

山东省社会科学重大规划项目立项

绿色发展理念与绿色城市美学构建——以绿色济南城市规划为例

中国, 山东, 济南

2016.08 - 2019.08