

Yuan Liao

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Education

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| 2018 - 2024 | Ph.D. in Architecture University of Illinois at Urbana-Champaign, School of Architecture Dissertation: Deployable Structures And Their Applications In Architecture: Geometric Design And Kinematics Of Mirrored Scissor Assemblies |
| 2015 - 2018 | Master of Architecture University of Illinois at Urbana-Champaign, School of Architecture |
| 2010 - 2014 | |

- 2023 Liao, Y., Kiper, G. and Krishnan S. "Mobility analysis of tripod scissor structures using screw theory." 191 (2024): 105468.
<https://doi.org/10.1016/j.mechmachtheory.2023.105468>
- 2022 Liao, Y. and Krishnan, S. "Geometric Design and Kinematics of Spatial Deployable Structures using Tripod-Scissor Units." . 38 (2022): 323-339.
<https://doi.org/10.1016/j.istruc.2022.01.009>
- 2020 Krishnan, S. and Liao, Y. "Geometric Design of Deployable Spatial Structures Made of Three-Dimensional Angulated Members." . 26.3 (2020): 04020029. [https://doi.org/10.1061/\(ASCE\)AE.1943-5568.0000416](https://doi.org/10.1061/(ASCE)AE.1943-5568.0000416)

Conference Papers

- 2022 Liao, Y., Li, Y. and Krishnan, S. "Deployability and structural performance of spatial scissor units made of zigzag bars."

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| 2019 | Awarded \$4,200 by The College of Fine and Applied Arts (FAA), UIUC University Fellowship Awarded \$1,044 by UIUC |
| 2018 | 2018 SARAs National Design Award Awarded by the Society of American Registered Architects (SARAs) |
| 2018 | 3 rd Place of The AIA Chicago Award Awarded by American Institute of Architects (AIA) |
| 2018 | Gertrude Lempp Kerbis Fellowship for Architectural Research Awarded \$20,000 by UIUC |
| 2017 | 2 nd Prize of The Image of Research, Graduate Research Competition Awarded \$200 by UIUC Graduate College |
| 2013 | Silver Medal of 2013 Chinese Architectural Art "Young Designers Prize" |

Service and Organizations

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| 2024 | Reviewer, Engineering Structures, Elsevier |
| 2023 | Reviewer, Journal of Asian Architecture and Building Engineering, Taylor and Francis |
| 2023 | Reviewer |