# Yu-Chen Ou

Distinguished Professor


## Address

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## Research Interests

Reinforced Concrete Structures
Prestressed Concrete Structures
Composite Structures (RCS)
Earthquake Engineering
Bridge Engineering

## Education

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|---|---|---|
| Ph. D. | *Civil Engineering, University of Buffalo* | 2007 |
| M.S. | *Structural Engineering, National Taiwan University* | 2001 |
| B.S. | *Civil Engineering, National Taiwan University* | 1999 |

## Experience (Full-time)

| | | |
|---|---|---|
| Distinguished Profesor | *National Taiwan University* | 2020 |
| Professor | *National Taiwan University* | 2017 |
| Professor | *National Taiwan University of Science and Technology* | 2015 |
| Associate Professor | *National Taiwan University of Science and Technology* | 2011 |
| Assistant Professor | *National Taiwan University of Science and Technology* | 2008 |

## Research Awards

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|---|---|---|
| Outstanding Research Award | *National Taiwan University* | 2019 |
| Outstanding Research Award | *Ministry of Science and Technology, Taiwan* | 2019 |
| ACI Wason Medal | *American Concrete Insititute* | 2017 |

## Professional Service and Activities (Current)

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|---|---|
| Director | *Center for Earthquake Engineering Research, National Taiwan University* |
| Advisor | *Bridge Division, National Center for Research on Earthquake Engineering* |
| President | *American Concrete Institute (ACI), Taiwan Chapter* |
| Chair | *Concrete Engineering Committee, Chinese Institute of Civil and Hydraulic Engineering, Taiwan* |
| Assoc. Editor | *Journal of Chinese Institute of Civil and Hydraulic Engineering* |
| Editorial Board | *Advances in Bridge Engineering* |
| Assoc. Editor | *Journal of Structural Engineering, ASCE* |

## Recent Publications


- **Ou, Y. C.**, Lau, J. V. J., Li, J. Y., Havlásek, P., & Bittnar, Z. (2022). Cyclic behavior of reinforced concrete columns with five-spiral reinforcement. Journal of Building Engineering, 61, 105245.
- **Ou, Y. C.**, Wu, J. W., & Pratiwi, A. Y. (2022). Effect of the concrete cover thickness ratio on the post-yield stiffness of bridge columns with partially unbonded unstressed steel strands. Advances in Bridge Engineering, 3(1), 1-17.
- **Ou, Y. C.**, Bui, C. T., & Chen, Y. M. (2022). Use of Unstressed Seven-Wire Strands as Longitudinal Reinforcement of Concrete Beams. ACI Structural Journal, 119(5).
- **Ou, Y. C.**, Joju, J., & Liu, Y. C. (2022). Cyclic Behavior of Reinforced Concrete Columns with Unstressed Steel Strands as Longitudinal Reinforcement. Journal of Structural Engineering, 148(9), 04022125.
- **Ou, Y. C.**, Nguyen, N. V. B., & Wang, W. R. (2022). Seismic shear behavior of new high-strength reinforced concrete column and steel beam (New RCS) joints. Engineering Structures, 265, 114497.
- **Ou, Y. C.**, Joju, J., & Hsu, W. C. (2022). Cyclic behavior of shear-critical concrete columns with unstressed steel strands as longitudinal reinforcement. Engineering Structures, 264, 114465.
- **Ou, Y. C.**, Wu, J. W., & Pratiwi, A. Y. (2022). Cyclic behavior of bridge columns with partially unbonded seven-wire steel strands to increase post-yield stiffness. Engineering Structures, 258, 114112.
- Ngo, S. H., **Ou, Y. C.**, & Nguyen, V. D. (2022). Shear Strength Model for Reinforced Concrete Bridge Columns with Multispiral Transverse Reinforcement. Journal of Structural Engineering, 148(3), 04021303.
- **Ou, Y. C.**, & Nguyen, N. V. B. (2022). Stress Limit for Shear Reinforcement of High-Strength Columns. ACI Structural Journal, 119(1).