

## TEXAS STATE VITA

### I. Academic/Professional Background

A Name: Yongtao Dong

Title: Associate Professor of Practice

### B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
Ph.D.	2003	University of Illinois at Chicago	Civil Engineering	Static and Fatigue Performance of Reinforced Concrete Beams Retrofitted with Fiber Reinforced Polymer (FRP) Composites
MS	1991	Harbin Institute of Technology, China	Structural Engineering	Dynamic response of braced steel frames
BS	1989	Zhengzhou University, China	Civil Engineering	

### C. University Experience

- From September 2023 to present
  - Associate Professor of Practice
  - Ingram School of Engineering (Civil Engineering), Texas State University
- From January 2023 to May 2023
  - Lecturer (per course)
  - Ingram School of Engineering (Civil Engineering), Texas State University
- From August 2011 to May 2015
  - Assistant Professor
  - Department of Civil and Environmental Engineering, New Mexico Tech
- From January 2007 to July 2011
  - Assistant Professor
  - Department of Civil and Environmental Engineering, University of Alaska Fairbanks
- From September 1997 to August 1998
  - Research scientist
  - Smart Sensors and NDT Laboratory, New Jersey Institute of Technology, Newark, New Jersey

### D. Relevant Professional Experience

- From June 2022 to August 2023
  - Transportation Engineer
  - Bridge Division, Texas Department of Transportation, Austin, Texas
- From June 2019 to May 2022
  - Transportation Engineer
  - Dallas District, Texas Department of Transportation, Dallas, Texas
- From January 2019 to May 2019
  - Structural Engineer
  - T.Y. Lin International, Albuquerque, New Mexico
- From June 2018 to December 2018
  - Transportation Engineer (Bridge)
  - Bridge Division, Texas Department of Transportation, Austin, Texas
- From June 2015 to May 2018
  - Civil Engineer (Bridge)
  - Bridge Bureau, New Mexico Department of Transportation, Santa Fe, New Mexico
- From May 2003 to December 2006
  - Structural Engineer
  - Matrix Engineering Corporation, Chicago, Illinois

#### E. Other Professional Credentials (licensure, certification, etc.)

- Professional Engineer (PE) licensed in the State of Texas, License No. 131930
- Professional Engineer (PE) licensed in the State of New Mexico, License No. 21131
- Professional Engineer (PE) licensed in the State of Ohio, License No. 72048

## II. TEACHING

### A. Teaching Honors and Awards:

### B. Courses Taught:

Course taught at Texas State University:

- Spring 2025: ENGR 2301 Statics (Sections 251 and 252)  
CE 4351 Design of Steel Infrastructures

- Fall 2024: ENGR 2301 Statics (Sections 001, 002 and 004)
- Summer 2024: ENGR 2301 Statics (Section 751)
- Spring 2024: ENGR 2301 Statics (Section 251)  
CE 4351 Design of Steel Infrastructures
- Fall 2023: ENGR 2301 Statics (Sections 001 and 002)  
CE 4390 Senior Design I
- Spring 2023: CE 4351 Design of Steel Infrastructures

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

D. Courses Prepared and Curriculum Development:

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:
2. Submitted, but not Funded, External Teaching Grants and Contracts:
3. Funded Internal Teaching Grants and Contracts:
4. Submitted, but not Funded, Internal Teaching Grants and Contracts:

F. Other:

#### G. Teaching Professional Development Activities Attended

- AMPLIFY Institute, University of Texas at El Paso, September 2024
- AISC Educator Workshop in Chicago, Illinois, June 2023

### III. SCHOLARLY/CREATIVE

#### A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

- a. Scholarly Monographs:
- b. Textbooks:

c. Edited Books:

d. Chapters in Books:

e. Creative Books:

2. Articles:

a. Refereed Journal Articles:

b. Non-refereed Articles:

3. Conference Proceedings:

a. Refereed Conference Proceedings:

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Essays:

8. Poems:

9. Short Stories:

10. Other Works in Print:

## **B. Works Not in Print:**

1. Papers Presented at Professional Meetings:

### **2. Invited Talks, Lectures, and Presentations:**

- Invited to Texas Society of Professional Engineers – Bexar Chapter for a presentation to introduce the CE program and IRL at TXST, and to discuss potential collaboration with the local industry on senior design projects, student internship, and guest speakers to our student organizations, etc. January 6, 2025

3. Consultancies:

4. Workshops:

## 5. Other Works not in Print:

- a. Works "submitted" or "under review":
- b. Works "in progress":
- c. Other Works Not in Print:

**C. Scholarly / Creative Grants and Contracts:**

## 1. Funded External Grants and Contracts:

- April - December 2024, CO-PI, ***Structural test of swole-crete beam***, funded by TNSR Systems Inc., \$16464.00

## 2. Submitted, but not Funded, External Grants and Contracts:

- December 2024, CO-PI, ***A Comprehensive Safety Monitoring and Early Warning System for Big Cottonwood Creek Bridge***, submitted to Texas Department of Transportation Austin District, \$368,218.00, **pending**
- March 2024, CO-PI, ***Evaluate the Effectiveness of Dowels for Lateral Restraint of Prestressed Concrete Beams***, submitted to Texas Department of Transportation, \$753,482.53
- March 2024, CO-PI, ***Incorporating Resilience Considerations in Transportation Asset Management Planning and Project Selection Process***, submitted to Texas Department of Transportation, \$659,716.05

## 3. Funded Internal Grants and Contracts:

## 4. Submitted, but not Funded, Internal Grants and Contracts:

## D. Scholarly / Creative Fellowships, Awards, Honors:

## E. Scholarly / Creative Professional Development Activities Attended:

- Attended the NASCC Steel Conference in
- April 10-13, 2024. I led a group of four students from the TXST ASCE student chapter and attended 2024 American Society of Civil Engineers (ASCE) Region 6 Student Symposium held at San Angelo State University. This student symposium featured student engineering competitions, seminars on technical topics and power skills. This was the **first time** TXST students had attended this annual conference.

F. Media Recognition:

#### **IV. SERVICE**

##### **A. Institutional**

1. University:

2. College:

##### **3. Department/School:**

- Faculty Search Committee Member – Assistant/Associate Professor of Practice (IE), Fall 2024 - Spring 2025
- Faculty Search Committee Member – Assistant/Associate Professor (tenure-track, CE-Structures), Fall 2024 - Spring 2025
- IRL Workgroup, Spring 2024 – present
  - Draft and develop “IRL safety guidelines”
  - Initiate the IRL income generating account
  - Keep a log of faculty inquiries and scheduling for potential research work at IRL
  - Estimate cost for using IRL space and facilities
  - Coordinate the testing of the first large-scale reinforced concrete beam of Dr. Shi’s research team
- Faculty advisor to ASCE Student Chapter at Texas State University, Fall 2023 – present
- Professional and Career Advising, Civil Engineering, Fall 2023 – present
- Assist the department to evaluate transfer students' course substitutions, Assist the department to evaluate transfer students' course substitutions. Fall 2023 - present

B. Professional:

C. Community:

##### **D. Organization Memberships:**

- American Society of Civil Engineers. (October 2023 - Present).

- American Institute of Steel Construction. (January 2023 - Present).

E. Service Honors and Awards:

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:
2. Submitted, but not Funded, External Service Grants and Contracts:
3. Funded Internal Service Grants and Contracts:
4. Submitted, but not Funded, Internal Service Grants and Contracts:

G. Service Professional Development Activities Attended: