

Chen Su | Senior Associate



EDUCATION

- Cheng Kung University, Taiwan
 - Bachelor of Science, Mechanical Engineering, 1987
- University of Maryland, College Park
 - Master of Science, Fire Protection Engineering, 1997

PRACTICE AREAS

- Fire/Life Safety/Egress Assessment
- Fire Protection System Design/Analysis
- Site-wide Water System Modeling/Analysis
- Fire/Egress Modeling/Evaluation and Consulting
- Code Development
- Peer Review

REGISTRATIONS

- Professional Engineer in DE and IL

CONTACT

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EXPERIENCE

Chen Su is a recognized industry expert with twenty years of experience in all areas of fire protection and life safety engineering. Prior to joining WJE, Mr. Su was a senior consultant with Schirmer Engineering/Aon FPE/Jensen Hughes Inc., and provided code and fire protection engineering consultation to a broad range of clients. He has been involved in a number of significant projects which required life-safety evaluation, performance-based design, computational fluid dynamics (CFD) fire modeling, computer based egress modeling, smoke control system analysis, industrial/high-risk facility program development, and site-wide system modeling/analysis.

Prior to his consulting experience, Mr. Su was a research assistant at the University of Maryland, Fire Testing Laboratory (now FireTEC) where he conducted fire testing for projects associated with material flame spread, material fire property analysis, and fire modeling studies.

REPRESENTATIVE PROJECTS

Fire/Life Safety Assessment

- Hyatt Hotels - Worldwide*
- Marquette University, Raynor Library - Milwaukee, WI*
- Ford Motor Rouge Complex - Dearborn, MI *

Fire Protection System Design/Analysis

- Columbus Airport Consolidated Rental Car Facility - Columbus, OH
- Lotte World Tower - Seoul, South Korea*
- Lowe's Stores - Nationwide U.S.*
- LG Chem - Holland, MI*
- Hawthorne Works Complex - Cicero, IL*

Site-wide Water System Modeling/Analysis

- BP Whiting Refinery - Whiting, IN*
- BP Toledo Refinery - Toledo, OH*
- Exxon Mobil Joliet Refinery - Joliet, IL*
- LyondellBasell Tuscola Plant - Tuscola, IL*

- Murphy Oil - Superior, WI
- Marathon Petroleum Corporation - Detroit, MI*
- Stickney Water Reclamation Plant - Cicero, IL*
- PEMEX Refinery Facilities - Nationwide U.S. and Mexico*
- Western Refinery; El Paso, TX *
- PECO - Berwyn, PA*

Fire/Egress Modeling/Evaluation and Consulting

- Exelon LaSalle County Generation Station - LaSalle, IL: Fire modeling/sprinkler system evaluation*
- SR 99 Bored Tunnel - Seattle, WA: Egress modeling*
- Toronto Transit Commission Fire Ventilation Upgrade Program - ON, Canada: Fire/egress modeling
- Illinois State Capital Building Renovation - Fire/Egress Modeling; Springfield, IL *
- Kansas State House - Topeka, KS: Fire/egress modeling*
- Argonne National Laboratory – Smoke Control System Modeling/Evaluation; Lemont, IL *

Code Development

- NFPA 24, *Private Fire Service Mains*, Technical Committee *
- NFPA 750, *Water Mist Fire Protection Systems*, Technical Committee *

Peer Review

- General Motors Company - Worldwide*
- Ford Motor Company - Worldwide*
- Village of Bolingbrook, IL*
- Village of Northbrook - IL*

* Indicates with previous firm

PROFESSIONAL AFFILIATIONS

- National Fire Protection Association (NFPA)
- Society of Fire Protection Engineers (SFPE)