

Dr. Hojjat Adeli

Professor

Civil & Environmental Engineering and Geodetic Science
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Education and Degrees

Ph.D., Civil Engineering, Stanford University, Stanford, CA, 1976
M.S., Civil Engineering, University of Tehran, Tehran, Iran, 1973
B.S., Civil Engineering, University of Tehran, Tehran, Iran

Research and Teaching Interests

***Structural Engineering and Mechanics**

- Computer-Aided Design
- Steel Structures
- Structural Dynamics and Earthquake Engineering
- Computational Mechanics
- Smart Structures/Active Control and Monitoring Systems
- Structural Optimization
- Nonlinear Analysis
- Advanced Composite Materials and Structures

*** Computer Science and Information Technology**

- Artificial Intelligence, Knowledge Engineering, Machine Learning
- Parallel Processing, Supercomputing, and Distributed Computing

- Object-Oriented Systems
- Database Management Systems
- Software Engineering and Object-Oriented Technology
- Imaging Technology/Computer Graphics/Visualization
- Numerical Analysis
- * **Systems Engineering**
- Mathematical Optimization/Nonlinear Programming
- Genetic Algorithms
- * **Aerospace Engineering**
- Space Structures
- Structural Control
- * **Construction Engineering**
- Automation
- Scheduling
- * **Bioengineering and Cognitive Science**
- Neurocomputing
- Learning and Brain Modeling

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