

Research Interests, May 2017

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The objective of my research is to make contribution in the field of structural mechanics and structural design.

My current research interests include ;

- Static and dynamic analysis of non-planar coupled shear wall systems.
- Earthquake resistant design of reinforced concrete buildings and the effect of earthquake on existing structures.
- Wind and earthquake responses of tall, slender and unique structures. Dynamic responses of structures (masonry and reinforced concrete structures) to wind actions and their interactions.
- Comparison of structural analysis of RC buildings based on different international codes and specifications. Numerical prediction of behaviours of reinforced concrete structures under various loading conditions using computers.
- Advanced materials in strengthening civil engineering structures (Fiber reinforced polymers).
- Finite element modeling of steel beams with web openings of various shapes and sizes.