

Research Interest of Prof. Dr. Kabir Sadeghi

Research interests in the Structural Engineering mainly include:

- Earthquake engineering and seismic risk management
- Steel structures design and analysis
- Concrete structures design and analysis
- Composite buildings and bridges
- Concrete filled tubes
- Concrete bubble-deck slabs
- Confined and unconfined concrete nonlinear numerical simulation
- Nonlinear simulation of reinforced concrete structures
- Innovative structural systems
- Offshore structures design and analysis
- Coastal and onshore design and analysis
- Structural dynamics
- Structural health monitoring
- Damage detection of structures
- Infrastructures' analysis and design
- Fluid-structure interaction
- Sea waves numerical simulation analysis and prediction