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6<sup>th</sup> International Conference on

# Steel Structure and Engineering

November 14-15, 2019 | Tokyo, Germany



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**SCIENTIFIC PROGRAM**

08:30-09:00	Registrations	
09:00-09:30	Introduction	
09:30-09:50	COFFEE BREAK	
09:50-11:50 Meeting Hall 01	Keynote LECTURES	
	MEETING Hall 01	MEETING Hall 02
11:50-13:10	Talks On: Steel Concrete Composite Structures	Talks On: Advanced Structural Analysis
	Basis of design	Virtual Work Method
	Basis of design	Stiffness Analysis of 2D Truss Structure
	Materials & Durability	Stiffness Analysis of Plane Frame Structure
	Structural analysis	Stiffness Analysis of 3D Truss Structure
	Ultimate limit states	Stiffness Analysis of Grids Structure
13:10-13:15	GROUP PHOTO	
13:15-14:00	LUNCH BREAK	
	MEETING Hall 01	MEETING Hall 02
14:00-16:00	Talks On: Bridge Engineering	Talks On: Earthquake Engineering
	Types of Bridges	Seismic behavior
	Bearings and Stability	Foundation failure
	Suspension Bridges	Earthquake resistance design
	Bridge Design	Load and resistance factor design
	Maintenance and failure	Frictional dampers
16:00-16:20	COFFEE BREAK	

08:30-09:00	Registrations	
09:00-09:30	Introduction	
09:30-09:50	COFFEE BREAK	
09:50-11:50 Meeting Hall 01	Keynote LECTURES	
	MEETING Hall 01	MEETING Hall 02
11:50-13:10	Talks On: Structural Health Monitoring	Talks On: Wind Engineering
	Non-Destructive Evaluation	Climate variability and change
	Damage Detection	Risk and reliability
	Structural Control	Bridge evaluation
	Monitoring of Materials and Structures	Post-storm damage assessments
13:10-13:15	GROUP PHOTO	
13:15-14:00	LUNCH BREAK	
	MEETING Hall 01	MEETING Hall 02
14:00-16:00	Talks On: Structural Stability	Talks On: Prestressed Structures
	Stability of Static Equilibrium	Pretensioning
	Stability of Dynamic Equilibrium	Post-tensioning
	Buckling or Snapping?	Forces introduced by prestressing
	Response Diagrams	Load balancing and force profiles
	Design Critical Load	Prestress levels
16:00-16:20	COFFEE BREAK	

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**Aerial Overview of Tokyo City**



**Tokyo Skytree**



*Tokyo*

**ATTRACTIONS**

**Tokyo Tower**



**Shinjuku Gyoen National Garden**



**Tokyo**



**Rainbow Bridge**

