

Day1(Oct.18) | Parallel Session 1

▪ Session 1-1(1. Building Engineering, sub session 1)

Moderator: Jiuk Shin(J Shin)

Invited Session Speaker: Alireza Behnejad

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:00	Prof. Alireza Behnejad	University Of Surrey	UK	The Design, Assemble And Dismantle (DAD) Project
14:00 - 14:15	Mr. Jihyung Kim	CWS Engineering	Republic of Korea	Seismic Design Method Of Basement Wall Structure Applying Pilaster-Jointed Slurry Wall System (PSS)
14:15 - 14:30	Other. Roojee Lee	CS Structural Engineering Inc	Republic of Korea	Structural schematic Design of Waterfront Residential Twin Tower
14:30 - 14:45	Mr. Jeong Mo Koo	DL E&C	Republic of Korea	Foundation Load Transfer Using Unbonded External Post-Tensioning
14:45 - 15:00	Mr. Chikamasa Okuno	KUME SEKKEI	Japan	Structural Design With Sloping Columns And Switchable Columns To Realize A Symbolic Form
15:00 - 15:15	Other. KEUMJUNG SONG	CS STRUCTURAL ENGINEERING	Republic of Korea	Structural Design Of N Company Building

▪ Session 4-1(4. PC /Prestressed Conc., sub session 1)

Moderator: Deuckhang (DK) Lee Session Chair: Deuckhang (DK) Lee

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:00	Prof. Dichuan Zhang	Nazarbayev University	Kazakhstan	Development of Seismic Design Force Reduction Factors for Precast Concrete Diaphragms
14:00 - 14:15	Ms. MINJUNG SEO	Mirae Structural Engineering	Republic of Korea	Development of rebar connection for Precast concrete beam-column joints of intermediate moment frame system
14:15 - 14:30	Ms. Suyoun Jang	Mirae Structural Engineering	Republic of Korea	A Study of Structural and Residential Performances on Vertical Joints of Precast Concrete Walls in Apartment Buildings
14:30 - 14:45	Dr. Jung Keun Oh	Arisu Engineering	Republic of Korea	Seismic Reinforcement Using Precast Concretete Block Unit
14:45 - 15:00	Mr. Gyoo-seok Seo	SUN STRUCTURAL ENGINEERING	Republic of Korea	Precision Safety Diagnosis And Reinforcement Case Due To PC Warehouse Fire
15:00 - 15:15	Mr. Xuechen Gu	Griffith University	China	Performance Of Precast Beam-Column Joints – A Numerical Comparative Study

▪ Session 7-1(7. Earthquake Engineering, sub session 1 | presented by EESK)

Moderator: Yousok Kim

Session Chair: Kihak Lee

Invited Session Speaker: Sujith Manglathu

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:00	Dr. Sujith Mangalathu	JP Morgan & Chase	USA	Analytics-Driven Models to Support the Design and Service -Life Management of Infrastructure Systems
14:00 - 14:15	Mr. Hwibin Ahn	Hanwool Structural Safety & Technology Corporation	Republic of Korea	Study On Analysis Method For The Connections In Remodeling Building
14:15 - 14:30	Dr. Sung Hyun Kim	Soongsil University	Republic of Korea	Deformation Capacity Model Of RC Walls Addressing Failure Mechanisms
14:30 - 14:45	Dr. Yoshiharu Kanebako	Kanebako Structural Engineers	Japan	Application of Vibration Control Structure to a Low-rise Building
14:45 - 15:00	Prof. Kihak Lee	Sejong University	Republic of Korea	Seismic Fragility Analysis And Evaluation Of Korean Architectural Heritage Structures
15:00 - 15:15	Prof. Sang Whan Han	Hanyang University	Republic of Korea	Ground Motion Simulation Model Considering Korean Regional Earthquake Environment
15:15 - 15:30	Prof. Jiuk Shin	Gyeongsang National University	Republic of Korea	SEISMIC AND BLAST BUILDING DAMAGE ASSESSMENT USING PHYSICS -BASED ARTIFICIAL NEURAL NETWORK MODELS

▪ Session 12-1(12. Structural Health Monitoring/Fire Protection, sub session 1)

Moderator: Donghyuk Jung

Session Chair: Donghyuk Jung

Invited Session Speaker: Zhang Qilin

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:00	Prof. Zhang Qilin	Tongji University	China	Nonlinear Structural Seismic Response Prediction Using Decision Tree
14:00 - 14:15	Dr. Hobeom SONG	CNP DONGYANG	Republic of Korea	A Case Study On Investigating Structural Performances Of A Tall Building For Structural Health Monitoring
14:15 - 14:30	Dr. Yanan Huang	Tongji University	China	Application Of Health Monitoring In The Construction Of Large-span Steel Spatial Structures
14:30 - 14:45	Mr. Eunsu Jung	Mirae Structural Engineering .co., Ltd.	Republic of Korea	Nonlinear Structural Seismic Response Prediction Using Decision Tree
14:45 - 15:00	Dr. Muhammad Usman Hanif	Korea National University Of Transportation	Pakistan	Improved technique to find the damage location in retrofitted concrete specimens using acoustic emissions
15:00 - 15:15	Mr. Jun Su Park	Yonsei University	Republic of Korea	Training A Construction Member Detection Model With Synthetic Data Sets
16:00 -	Mr. Jaeyoung Yang	Chosun University	Republic of Korea	Pipe-Rack Monitoring Using DIC Technology
16:00 -	Ms. Saima Sultana Taleb	Chosun University	Bangladesh	Structural Analysis of a Piperack Structure Using BIM Software, 'Tekla Structural Designer' for Structural Safety Inspections

▪ Special Session

Time	Full Name	Affiliation	Nationality	Title
No.1	Vidyashankar N Hoskere	SEWC(INDIA)	India	Forms and Configurations for Liquid Retention Structures
No.2	B K Raghu Prasad	SEWC(INDIA)	India	Multiscale Fracture Simulation of Concrete Beams
	H S Vishwanatha S Muralidhara			
No.3	Sanna Rathinavelu	SEWC(INDIA)	India	Imaging an Inheritable Earth: The Futures Thinking Through Literature, Architecture, Sustainability, and Power Dynamics
	R.Vikramvijz			
No.4	Vasantha Lakshmi	SEWC(INDIA)	India	Seismic Performance of Stone Masonry Temple structure by Shake Table Test
	Vijayalakshmi Akella			
	B K Raghuprasad			

Day1(Oct.18) I Parallel Session 2

▪ Session 1-2(1. Building Engineering, sub session 2)

Moderator: Jiuk Shin(J Shin)

Session Chair: Jiuk Shin(J Shin)

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Prof. Jiemin Ding	Tongji Architectural Design (Group) Co., Ltd.	China	Structural Design And Construction Of Nearly 500 Meter Super High-rise Building In Xi'an, China
16:30 - 17:00	Mr. Shin SeungHun	Hillengineering.co.,ltd	Republic of Korea	CFT Seismic Reinforcement Method Using Diaphragm Pre-assembled C-Shaped Column
17:00- 17:15	Mr. SHINNOSUKE OKAYAMA	TAISEI CORPORATION	Japan	Application Of Concentrated Response Control System To A TV Studio Building
17:15 - 17:30	Prof. Seunghye LEE	Sejong University	Republic of Korea	An Extra Tree Regression Model for Data-driven Wind Response Prediction
17:30 - 17:45	Dr. Hyunsu Woo	Aimac Structure	Republic of Korea	A Comparative Study Of Nonlinear RC Column Models For Seismic Performance Evaluation Of Piloti-type Low-Rise Buildings.
17:45 - 18:00	Mr. Seong Hun Kang	Kyungpook National University	Republic of Korea	Strength Evaluation Of Extended End Plate Connection By Finite Element Analysis
18:00 -	Ms. Minjoung Kang	The Naeun Structural Engineering	Republic of Korea	Evaluation Of Structural And Fire Resistance Performance Of HyFo Composite Beams
18:00 -	Ms. Viliana Jainih	Chosun University	Malaysia	Analysis Of Steel Ramen Frame Structure – Comparison Between Simplified Response Analysis Of Hexagonal Plastic Collapse Surfaces Model And SAP2000

▪ Session 2-1(2. Bridge Engineering, sub session 1)

Moderator: Byul SHIM

Session Chair: Yuguang Yang

Invited Session Speaker: Yuguang Yang

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Prof. Yuguang Yang	TU Delft	Netherland	Flatten the curve - assessment and maintenance of existing concrete bridges in the Netherlands
16:30 - 17:00	Prof. Kumars Zandparsa	California State University Long Beach	USA	HORIZONTAL AND VERTICAL EARTHQUAKE RESTRAINERS CONSIDERATIONS FOR A REINFORCED CONCRETE BOX GIRDER BRIDGE HINGE REPLACEMENT
17:00 - 17:30	Dr. Christian Meinhardt	GERB Vibration Control, Germany	Germany	Damping Estimation Of Long-span Bridges To Assess The Effectiveness Of Low Frequency Tuned Mass Dampers
17:30 - 17:45	Prof. Yangqing Liu	Chongqing Jiaotong University	China	Effect Factors Of Seismic Hydrodynamic Pressure On A Bridge Tower Of A Deep-water Cable-stayed Bridge
17:45 - 18:00	Mr. Matteo Marra	University Of Bologna	Italy	Dynamic Identification And Model Updating Of A Pedestrian Steel Bridge In Pianoro, Bologna
18:00 -	Ms. Emma Ghini	Alma Mater Studiorum - University Of Bologna	Italy	Static And Seismic Vulnerability Assessment Of Multi-span Masonry Arch Bridge For Sustainable Viability Improvement In Riola, (Italy)
18:00 -	Dr. Fangxin LI	Hohai University	China	An enhanced edge line estimation algorithm for dimensional inspection of precast bridge slab using point loud data and range images

▪ Session 7-2(7. Earthquake Engineering, sub session 2 | presented by EESK)

Moderator: Yousok Kim

Session Chair: Yousok Kim

Invited Session Speaker: Yasushi Sanada, Sun Yuping

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Prof. Yasushi Sanada	Osaka University	Japan	Introduction of Recent Study on A Composite Seismic Wall Incorporating CLT Panels into RC Moment-Resisting Frames
16:30 - 17:00	Prof. Sun Yuping	Kobe University	Japan	Seismic Performance and Design of Drift-Hardening Concrete Components
17:00 - 17:15	Prof. Young-Hun Oh	Konyang University	Republic of Korea	Behavior Of Special Reinforced Concrete Walls Having Boundary Elements Confined With Spiral Transverse Ties
17:15 - 17:30	Mr. Kyungmin Kim	Jacobs Korea	Republic of Korea	Seismic Behavior Of Skybridge Connecting Two High-rise Buildings
17:30 - 17:45	Mr. Gyu-Seok Lim	Inha University	Republic of Korea	Seismic Response Of Precast Concrete Floor Systems In Korea
17:45 -	Prof. Suresh GS	SKYLARK	India	Studies On The Behaviour Of Steel Fibre-reinforced Concrete Under Monotonic And Repeated Slow Cyclic Stress In Compression

▪ Session 8-1(8. Wind and Vibration, sub session 1)

Moderator: Ji Young Kim

Session Chair: Ji Young Kim

Invited Session Speaker: Tim Tse

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Prof. Tim Tse	The Hong Kong University Of Science And Technology	Hong Kong	Aerodynamic Characteristics And Excitation Mechanism Of Buildings Exposed To Topography-induced Twisted Wind
16:30 - 16:50	Mr. Sunho Kim	TESolution Co. Ltd.	Republic of Korea	A Comparison Of HFFBT And Pressure Integration Method Of Predicting Wind-Induced Responses
16:50 - 17:10	Dr. Ji Young Kim	CNP Dongyang	Republic of Korea	A Case Study Of Performance-Based Wind Design For Investigating Practical Procedures Of Tall Building Design
17:10 - 17:30	Mr. SEUNGYONG YOO	TESolution Co. Ltd.	Republic of Korea	Wind Induced Vibration Control For Pylon Structure By Using AMD
17:30 - 17:50	Mr. Jongho Moon	TESolution Co. Ltd.	Republic of Korea	Application Of 500-Ton Pendulum TMD To Enhance Habitability Of The Highrise Building
17:50 - 18:10	Mr. Bryan Wong	Windtech Consultants	Hong Kong	Don't touch my design - Aerodynamic Optimisation with minimal Architectural Intervention

▪ Session 1-3(1. Building Engineering, sub session 3)

Moderator: Jiuk Shin(J Shin)

Session Chair: Donghyun Jeong

Time	Full Name	Affiliation	Nationality	Title
13:30 - 13:50	Mr. MinSeob Lee	I'ST Structural Design Co., Ltd	Republic of Korea	Column Shortening Analysis And Field Measurement Of Cheongnyangni Station HanyangSujainGratte-ciel
13:50 - 14:10	Mr. Kohsaku Mitsuhashi	Takenaka Corporation	Japan	Structural Design Of 99.9-meter-high Building Housing A Large Theater Hall In The Middle Floors In Severe Earthquake Area
14:10 - 14:30	Mr. Sang-Hwan LEE	Kunwon Engineering Co.,Ltd.	Republic of Korea	Structural Engineering Activities Performed By Construction Project Manager
14:30 - 14:50	Mr. Gyoo-seok Seo	SUN STRUCTURAL ENGINEERING	Republic of Korea	Structural Design Of Gongdeok Station Complex On Gyeongui Line
14:50 - 15:10	Mr. Jung Hyun Kim	CNP DONGYANG	Republic of Korea	Structural Design Of Cheongna City Tower
15:10 - 15:30	Mr. YongSeok Choi	Choice Solution	Republic of Korea	Application of Core Structure Succeeding Construction Method on SRC & RC Structure
15:20 -	Dr. Vittoria Laghi	University Of Bologna	Italy	Blended Structural Optimization Approach For Wire-and-Arc Additively Manufactured Elements
15:20 -	Dr. Hee-Du Lee	Kyungpook National University	Republic of Korea	Behavior Analysis Of Column Base Plate Connection For General Pipe Rack

▪ Session 4-2(4. PC /Prestressed Conc., sub session 2)

Moderator: Deuckhang (DK) Lee

Session Chair: Deuckhang (DK) Lee

Time	Full Name	Affiliation	Nationality	Title
13:30 - 13:45	Dr. Fei Zhao	Griffith University	China	Experimental test for the optimization of semi-precast prestressed concrete deck design
13:45 - 14:00	Mr. Jaehyun Kim	University Of Seoul	Republic of Korea	Experimental Study on the Structural Behavior of Post-tensioned Half-Precast Concrete System
14:00 - 14:15	Dr. Min-Jae Kim	Senvex Co. Ltd.	Republic of Korea	HMB(Hybrid Mounting Bracket): PC Beam-PSRC Column Connections
14:15 - 14:30	Mr. Minkook Park	Delft University Of Technology	Republic of Korea	Experimental and analytical studies on shear behavior of post-tensioned concrete bridge girders
14:30 - 14:45	Mr. WoonSeong Jeong	Chungbuk National University	Republic of Korea	Parametric-based Precast Concrete Information Integration Method To Support Precast Concrete Components Manufacturing Plan
14:45 - 15:00	Mr. Byoungdo Lee	Scanbe	Republic of Korea	A Case Study Of Prestress Concrete Structure Safety Evaluation With 3D Scanning And BIM Data
15:00 - 15:15	Prof. Wei Zhang	Chungbuk National University	Republic of Korea	Emulative Seismic Design And Corresponding Performance Of Precast Intermediate Shear Wall System

▪ Session 6-1(6. Geotechnical Engineering/Underground Structure, sub session 1)

Moderator: Dong Kwan Kim

Session Chair: Dong Kwan Kim

Invited Session Speaker: Wei Wu

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:00	Prof. Wei Wu	University of Natural Resources and Life Sciences (BOKU) Vienna	China	On bleeding of fresh concrete in deep foundations
14:00 - 14:20	Prof. Sangseom Jeong	Yonsei University	Republic of Korea	Practicality Of The Piled Raft Foundation In Weak Mudstone Rocks : A Case Study
14:20 - 14:40	Mr. KyongSoo Yom	ACTPartner Co. Ltd.	Republic of Korea	CFT Column Optimized For Top-Down Construction
14:40 - 15:00	Dr. Khaqan Baluch	Seoul National University Of Science And Technology	Pakistan	The Technology Needed To Store Energy In Abandoned Large Tunnels And Abandoned Mines
15:00 - 15:20	Mr. Jinyoung Park	Seoul National University	Republic of Korea	Site Period And Soil Displacement Of Korean Regional Areas By Site Response Analysis
15:20 -	Mr. KITAE LEE	KH CONSTRUCTION CO.,LTD.	Republic of Korea	SCREW ANCRHO PILE(SAP) METHOD : PRINCIPLES AND CASE STUDY OF FOUNDATION REINFORCEMENT FOR REMODELING PROJECT
15:20 -	Dr. Xuhong Shen	China Design Group Co, Ltd.	China	Design And Application Of Multi-layer Prefabricated Box-type Assembled Retaining Wall
15:20 -	Prof. Rohith Jain	Maharaja Institute Of Technology Thandavapura	India	Studies On Behavior Of Gabion Walls Under Lateral Monotonic And Repeated Loading

▪ Session 13-1(13. Morphology, Retrofit and Nonstructural Elements, sub session 1)

Moderator: Seongwoo Jo

Session Chair: Seongwoo Jo

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:00	Prof. Kenichi Kawaguchi	The University of Tokyo	Japan	Approaches to Mitigate Danger of Accidental Fall of Suspended Ceilings
14:00 - 14:15	Mr. Hiroshi Ito	KumeSekkei Co.,Ltd.	Japan	Seismic Rehabilitation Of Yoyogi Gymnasium
14:15 - 14:30	Dr. Taejin Kim	TI Structural Engineers	Republic of Korea	Development Of Computational Tool For Seismic Design Of Lightweight Partition Walls
14:30 - 14:45	Mr. Hiroyuki Kishi	Obayashi Corporation	Japan	Restoration And Structural Retrofit Of Kumamoto Castle Damaged At 2016 Earthquake
14:45 - 15:00	Mr. Baoxin Chen	Harbin Engineering University	China	Topological Study Of New Configurations Based On Three-bar Tensegrity Basic Units
15:00 - 15:15	Mr. Atsushi Tsunoshita	Toyohashi University Of Technology	Japan	Non-welded Joint Method Of Seismic Retrofit Members For Existing Steel Pipes
15:15 - 15:30	Mr. Yinjia Lin	Tongji University	China	Displacement Based Design Method For Self-centering Steel Frames With Infill Walls
15:30 -	Mr. Muawiya Saidu Abdullahi	Chung-Ang University	Nigeria	Utilization Of Smart Nodes For Complex Geometry Façades
15:30 -	Dr. DongYoun Lee	SDG E&C	Republic of Korea	Standardization Of Strong Resistance Exterior Curtain Wall Product Design Through Seismic Structural Analysis

▪ Special Session

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:10	Mr. Doo-hyun Kang	Jin Engineering Co., Ltd.	Republic of Korea	
14:10 - 14:50	Prof. Stephan Engelsmann	Structural Design at Stuttgart State Academy	Germany	
15:00 - 15:40	Dr. Goman Ho	Arup	Hong Kong	Legal systems and practice in building structure industry of each country
15:40 - 16:20	Chairman. Kohei Shintani	Nikken Sekkei Ltd	Japan	
16:20 - 17:00	Mr. Yong-Wook Jo	Arup	Republic of Korea	

Day2(Oct.19) | Parallel Session 2

▪ Session 7-3(7. Earthquake Engineering, sub session 3 presented by EESK)

Moderator: Yousok Kim

Session Chair: Eunjong Yu

Invited Session Speaker: Takahiro Nakajima

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Mr. Takahiro Nakajima	Taisei Corporation	Japan	E-Isolation--High-performance Dynamic Testing Installation For Seismic Isolation Bearings And Damping Devices
16:30 - 16:50	Prof. Seongjin Ha	Korean National University Of Transportation	Republic of Korea	Seismic Performance Analysis Of Concrete Encased Steel Column
16:50 - 17:10	Ms. Kyo Young Moon	Keimyung University	Republic of Korea	Seismic Behavior Of Precast Concrete Wall Panels With Improved Vertical Connections
17:10 - 17:30	Prof. Eunjong Yu	Hanyang University	Republic of Korea	Seismic Design Of Water Tanks In Buildings.
17:30 - 17:50	Mr. Makoto Warashina	Obayashi.co	Japan	Seismic Design For Super High-rise Building Structure: Technologies Account For Long-term Ground Motion
17:50 -	Prof. Cheol-Ho Lee	Seoul National University	Republic of Korea	Shake-Table Seismic Performance Evaluation Of Braced And Friction-Added Suspended Ceiling Systems
17:50 -	Prof. Suresh GS	SKYLARK	India	Studies On Behavior Of Gabion Walls Under Lateral Monotonic And Repeated Loading

▪ Session 8-2(8. Wind and Vibration, sub session 2)

Moderator: Ji Young Kim

Session Chair: Juntack Lim

Invited Session Speaker: Daniel Sang-Hoon Lee

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Prof. Daniel Sang-Hoon Lee	The Royal Danish Academy, Design And Conservation	UK	Key Aspects On Outdoor Wind Simulation For Architectural Design
16:30 - 16:50	Dr. Juntack Lim	HanYang Wind Tunnel Lab.	Republic of Korea	Structural Wind Loads On Linked Tall Buildings: Key Considerations
16:50 - 17:10	Mr. Jiangtao Chen	National Prestress Eng. Res. Center, Southeast University	China	Modification Of The Body Coefficient For Wind Load On Photovoltaic Panel Arrays In Flat Ground Conditions
17:10 - 17:30	Mr. Seok Heo	TESolution Co. Ltd.	Republic of Korea	Application Of AMD In Jeju Traffic Control Tower For Controlling Wind Induced Vibration
17:30 - 17:50	Mr. Daniel Van Wickeren	GERB Schwingungsisolierungen GmbH & Co. KG	Germany	Use Of Elastic Bearings In Building Isolation

▪ Session 9-1(9. Spatial Structures / Lightweight Structures, sub session 1)

Moderator: Kyung-Ju Hwang

Session Chair: Kyung-Ju Hwang

Invited Speaker : Prof. Jianguo Cai (China)

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:30	Prof. Jianguo CAI	Southeast University	China	Origami-inspired Deployable Membrane Structures
16:30 - 16:45	Mr. Yong-Wook Jo	Arup	Republic of Korea	Little Island, NYC: Digital Design And Fabrication For Iconic Project
16:45 - 17:00	Mr. Satoshi Matsudo	Taisei Corporation	Japan	Seismic Response Controlled Structure Based On Soft-First-Story Theory For Japan National Stadium
17:00 - 17:15	Prof. Jin Young Song	University At Buffalo	Republic of Korea	A Preliminary Study Of Reversible Interlocking Joinery System Based On Compression Dowels

▪ Session 15-1(15. Activities of str. engs in global warmingBuilding Engineering, sub session 1)

Moderator: Youngkyu Ju

Session Chair: Youngkyu Ju

Invited Session Speaker: Romuald Tarczewski, Will Arnold

Time	Full Name	Affiliation	Nationality	Title
16:00 - 16:20	Prof. Romuald Tarczewski	Member ex-officio, J. IASS	Poland	Constructing Architecture. On The Materialization Of The Architectural Form
16:20 - 16:40				
16:40 - 17:00	Dr. Yeonback Jung	Hyundai Engineering And Construction	Republic of Korea	Low CO2 Design Process Of Concrete Structures Considering The Targeted CO2 Reduction
17:00 - 17:20	Prof. Jaehoon Bae	Chonnam National University	Republic of Korea	Promotion Strategies And Numerical Study On Carbon Neutral Design: Cyclic Response Of Prequalified Dismantle Connection
17:20 - 17:40	Prof. Young K. JU	Korea University	Republic of Korea	Net Zero Structural Desing Guideline in Korea
17:40 - 18:00	Mr. Will Arnold	The Institution of Structural Engineers	UK	Sustainable Change at the Institution of Structural Engineers

▪ Special Session

Time	Full Name	Affiliation	Nationality	Title
13:30 - 14:10	Mr. Doo-hyun Kang	Jin Engineering Co., Ltd.	Republic of Korea	
14:10 - 14:50	Prof. Stephan Engelsmann	Structural Design at Stuttgart State Academy	Germany	
15:00 - 15:40	Dr. Goman Ho	Arup	Hong Kong	Legal systems and practice in building structure industry of each country
15:40 - 16:20	Chairman. Kohei Shintani	Nikken Sekkei Ltd	Japan	
16:20 - 17:00	Mr. Yong-Wook Jo	Arup	Republic of Korea	

Day3(Oct.20) | Parallel Session 1

▪ Session 4-3(4. PC /Prestressed Conc., sub session 3)

Moderator: Deuckhang (DK) Lee Session Chair: Donghyuk Jung

Time	Full Name	Affiliation	Nationality	Title
13:00 - 13:20	Mr. Wooyoung Kang	Opuro Structural Engineers Inc.	Republic of Korea	Design Methodology Of Precast Concrete Spiral Parking Ramp System (Patent# 10-2031773)
13:20 - 13:40	Prof. Donghyuk Jung	Korea University	Republic of Korea	Experimental Study On Shear Strengthening Of Circular Concrete Columns Using Iron-based Shape Memory Alloy Strips
13:40 - 14:00	Mr. Bao Quoc To	Sejong University	Viet Nam	Influences Of Concrete Constitutive Models Toward The Effect Of Post-tension Bars For Precast Concrete Wall
14:00 - 14:20	Prof. Toshiaki Fujimoto	Nihon University	Japan	Study On Structural Performance Of Concrete-Filled Steel Tubular Column Members
14:20 - 14:40	Other. Shuo Sun	National Prestress Engineering Research Center, Southeast University	China	Study on mechanical properties of alkali excited slag-fly ash concrete under uniaxial compression
14:40 - 15:00	Dr. Rokhyun Yoon	Osaka University	Republic of Korea	Analytical Simulation On Structural Experiments Of RC Damage-controlled Flat Walls

▪ Session 5-1(5. Modular/Fast Construction, sub session 1)

Moderator: POSCO, Co.,Ltd. Session Chair: Taehyu Ha(POSCO)

Time	Full Name	Affiliation	Nationality	Title
13:00 - 13:20	Dr. VAN HAN TRAN	Sejong University	Viet Nam	Experimental And Numerical Study Of Novel DfMA Connection Nodes Of Modular Buildings
13:20 - 13:40	Mr. Yong Jeon	IDEA Inc.	Republic of Korea	Structural Design Of Modular School Buildings In Korea
13:40 - 14:00	Dr. Taehyu Ha	POSCO	Republic of Korea	Structural Design Of A Mid-rise Steel-framed Modular Building
14:00 - 14:20	Mr. JIHUN JEONG	DongYang Consulting Engineers, Co. Ltd	Republic of Korea	Research And Development Of Multi-Story Modular Structural System For Mid-High Rise Buildings
14:20 - 14:40	Dr. Minjoo Cho	NIST Co.,Ltd	Republic of Korea	Structural Design Concept Of S. Korea's Tallest Modular Building
14:40 - 15:00	Mr. Joon Young Choi	Ajou University	Republic of Korea	Quick-Connector Joints For Improved Structural Performance And Efficiency In Modular Steel Construction
15:00 -	Mr. Yaokang Zhang	East China Arch. D & R Institute Co. Ltd	China	When Music Meets Steel Structure — Structural Design of Tianjin Juilliard College

▪ Session 16-1(16. Timber Structures, Masonry/Brick Structures, sub session 1)

Moderator: Hwang, Seong-Hoon Session Chair: Wooyoung Kang

Time	Full Name	Affiliation	Nationality	Title
13:00 - 13:20	Mr. Yusaku Honda	AZUSA SEKKEI Co.,Ltd.	Japan	CROSS-WOOD, Hybrid Frame System With Steel And Wood (Part 1)
13:20 - 13:40	Mr. Jae-Won Oh	Seoul National University	Republic of Korea	A Comparative Study Of The Environmental Impacts Of Wood, Concrete, And Steel At The Building Component Level
13:40 - 14:00	Mr. Kyung-sun Ahn	Seoul National University	Republic of Korea	Development And Structural Performance Evaluation Of Timber-plywood-Concrete Composite Slabs With Novel Shear Connections
14:00 - 14:20	Mr. MASATOSHI HAYASHI	AZUSA SEKKEI Co.,Ltd.	Japan	CROSS-WOOD, Hybrid Frame System With Steel And Wood (Part 2)
14:20 -	Prof. Masashi OUJI	Toyama University	Japan	DEVELOPMENT OF NEW TIMBER JOINTS

▪ Session 17-1(17-1. Structural Engineering Education)

Moderator: Wooyoung Kang Session Chair: Satwant Rihal

Invited Session Speaker: Alireza Behnejad

Time	Full Name	Affiliation	Nationality	Title
13:00 - 13:10	Prof. Satwant Rihal	Cal poly state University San Luis Obispo,California	USA	Session Chair, Brief session introduction
13:10 - 13:35	Prof. Alireza Behnejad	University of Surrey, UK	UK	Development and appraisal of innovative schemes for structural engineering education
13:35 - 14:00	Prof. Chie Matsuo	Meisei University, Japan	Japan	Learning from Tangible Physical Models
14:00 - 14:25	Prof. Hideyuki Takashima	Kanto Gakuin University, YOKOHAMA, JAPAN	Japan	AVAILABILITY OF KNOWLEDGE OBTAINED FROM STUDIES BASED ON AI-LIKE SOFT COMPUTING PROCEDURES FOR STRUCTURAL DESIGN EXERCISE
14:25 - 14:50	Prof. Markus M. Hudert	Aarhus University, Denmark	Denmark	A renewed Digital Literacy: Deep Learning and Generative AI in AEC education

Day3(Oct.20) | Parallel Session 2

▪ Session 1-4(1. Building Engineering, sub session 4)

Moderator: Jiuk Shin(J Shin)

Session Chair: Jungwoo Park

Time	Full Name	Affiliation	Nationality	Title
15:30 - 15:45	Dr. Seung-Hwan Lee	Senvex Co. Ltd.	Republic of Korea	Performed Projects Of TSC Beam & PSRC Column Structural Systems Outside Of Korea
15:45 - 16:00	Mr. Jihyung Kim	CWS Engineering	Republic of Korea	Construction Examples In Large-scale Area Applying CWS Method: Lotte Town Dongtan And KT Jayang
16:00 - 16:15	Mr. Seungje Lee	Samsung C&T	Republic of Korea	Column Shortening In Tall Building Construction:The KL118 Tower
16:15 - 16:30	Dr. Jinwon Kim	POSCO	Republic of Korea	Structural Performance Evaluation Of Posco-Box Column To Reinforced Concrete Wide Beam Connection
16:30 - 16:45	Mr. Yuki Toyoshima	Taisei Corporation	Japan	Soft Lower Story Damping Structure Applied To A Mixed-Use Tall Building
16:45 - 17:00	Dr. Hongsik Ryu	POSCO	Republic of Korea	Special Moment Frame Using Beam Height 1,500mm Pos-H
17:00 - 17:15	Prof. Eunchul Shin	Incheon National University	Republic of Korea	Behavior Of Shallow Foundation With Honeycell Concrete Modular Foundation
17:15 - 17:30	Mr. Jungwoo Park	CNP DONGYANG	Republic of Korea	Performance-based Structural Fire Design Of HD Hyundai Global R&D Center

▪ Session 7-4(7. Earthquake Engineering, sub session 4)

Moderator: Yousok Kim

Session Chair: JunHee Kim

Invited Session Speaker: Kenichi Kawaguchi

Time	Full Name	Affiliation	Nationality	Title
15:30 - 16:00	Prof. Tae-Sung Eom	Dankook University	Republic of Korea	Energy Dissipation And Hysteresis Modeling Of Reinforced Concrete Members Under Cyclic Loading
16:00 - 16:20	Mr. Jihoon Yu	Hanwool Structural Safety & Technology Corporation	Republic of Korea	Comparison Of Analysis Of Nonlinear Models By Consideration Of Rocking Of Shallow Foundation
16:20 - 16:40	Prof. JunHee Kim	Yonsei University	Republic of Korea	Seismic Performance Assessment In The Viewpoint Of Resilience Measure
16:40 - 17:00	Prof. Jong-Su Jeon	Hanyang University	Republic of Korea	Numerical Model Of Reinforced Concrete Columns With Composite Jackets Under Earthquake Loadings
17:00 -	Dr. Seong Jun Ha	Ulsan National Institute Of Science And Technology	Japan	Effect Of Aftershock Polarity On Responses Of Cantilever Retaining Walls
17:00 -	Dr. Jian Zhou	East China Architectural Design & Research Institute Co. Ltd	China	Structural Design of Terminal 4 of Urumqi International Airport
17:00 -	Dr. Fahimeh Yavartanoo	Seoul National University Of Science And Technology	Iran	Numerical Modeling Of Out-of-Plane Behavior Of Masonry Structures

▪ Session 9-2(9. Spatial Structures / Lightweight Structures, sub session 2)

Moderator: Kyung-Ju Hwang

Session Chair: Doojin Jeon

Invited Session Speaker: Prof. kok Keong Choong

Time	Full Name	Affiliation	Nationality	Title
15:30 - 16:00	Prof. Kok Keong Choong	School of Civil Engineering Universiti Sains Malaysia	Malaysia	Double Layer Space Frame for Penang International Convention & Exhibition Center(SPICE) – The Largest Subterranean Convention Center in Malaysia
16:00 - 16:20	Mr. Hui-young Han	Bansuk Heavy Industries.Co.,Ltd	Republic of Korea	Economic Evaluation Of Pre-Engineered Metal Building System(P.E.B) Composed Of Plate Girder With Corrugated Webs
16:20 - 16:40	Mr. Qiansen Gao	Harbin Engineering University	China	A Method For Judging Equilibrium Of Tensegrity Structure Based On Balance Matrix
16:40 - 17:00	Dr. Doojin Jeon	I-ST Structural Design Co., Ltd	Republic of Korea	The Flexible And Retractable Large Spatial Structure
17:00 - 17:20	Mr. SANAUULLAH	Harbin Engineering University, China	Pakistan	Nonlinear Dynamics Of Origami Structures Based On The Lagrangian Method

▪ Session 10-1(10. Computational Structural Engineering/Optimization, sub session 1)

Moderator: Kihoon Moon

Session Chair: Kihak Lee

Time	Full Name	Affiliation	Nationality	Title
15:30 - 15:50	Ms. Hanbit Kim	Hanyang University	Republic of Korea	Evaluation Of Initial Stiffness Of Vertically Divided Reinforced Concrete Shear Wall Using Finite Element Analysis
15:50- 16:10	Mr. Haruki Yokoyama	Tokyo Denki University	Japan	Structural Optimization Of Initial Stiffness Of Displacement Restrained PC Steel Bar Braces With Disc Springs For Steel Structure Design
16:10 - 16:30	Mr. Runmin Qian	Southeast University	China	Shape-Memory Alloy Wire Driven Deployment Behavior in a Kresling Origami-Patterned Sunshade
16:30 - 16:50	Mr. Sang-Hwan LEE	Kunwon Engineering Co.,Ltd.	Republic of Korea	Structure Value Engineering Proposed By Construction Project Manager In The Pre-construction Phase
16:50 - 17:10	Mr. Tatsuya Hasegawa	TAISEI CORPORATION	Japan	Design Method Incorporating Optimization Algorithms For Steel Beams Of Variable Cross Section Subjected To Gravity Loads
17:10 -	Prof. Stefan Reich	Anhalt University Of Applied Sciences	Germany	Full Digital Chain For Parametric Building Elements
17:10 -	Dr. Zhao Jin	China Northeast Architectural Design & Research Institute Co.,LTD	China	Application Of Numerical Simulation Technology In Seismic And Wind Resistant Design Of Complex Structures

▪ Session 16-2(16. Timber & Masonry/BrickStructures, sub session 2)

Moderator: Hwang, Seong-Hoon

Session Chair: Keonho Kim

Time	Full Name	Affiliation	Nationality	Title
15:30 - 15:50	Mr. Akihiro Fujiwara	OBAYASHI CORPORATION	Japan	Structural Design Of Japan's First High-Rise Pure-Timber Building
15:50 - 16:10	Dr. Tom Svilans	Royal Danish Academy	Latvia	Heterogenous Material Simulation In Architectural Timber Design
16:10 - 16:30	Dr. Sung-Jun Pang	National Institute of Forest Science	Republic of Korea	Development Of Structural Design Method For Separable GLT-steel Beam Combined With Inclined Screws
16:30 - 16:50	Dr. Keonho Kim	National Institute Of Forest Science	Republic of Korea	Prediction Of Strength Performance Of CLT For Design Of Tall Wooden Building
16:50 - 17:10	Dr. CHULKI KIM	National Institute Of Forest Science	Republic of Korea	Shear Strength Estimation Of CLT Wall By Using Joint Properties
17:10 -	Prof. KIHONG KU	Thomas Jefferson University	USA	Architectural Exploration Of Free-form Timber Gridshell: A Case Study Of An Experimental Pavilion Structure