# The 22<sup>nd</sup> Taiwan-Japan-Korea Joint Seminar on Earthquake Engineering for Building Structures

(SEEBUS-2021)

#### **Curriculum Vitae**

Suwon, Korea October 15, 2021

#### **Coordinators**

Prof. Tzu Kang Lin (National Chiao-Tung University, Taiwan)

Prof. Atsushi Sato (Nagoya Institute of Technology, Japan)

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## Curriculum Vitae (Taiwan)

Name	Tzu Kang Lin
BS / PhD	National Taiwan University, Civil Engineering, B.S. (1996) National Taiwan University, Structure Engineering, M.S. (1997) National Taiwan University, Structure Engineering, Ph.D. (2002)
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Research Interest	Structural Health Monitoring, Smart Structure, Bridge Engineering
Title of Paper	Prediction of Smooth Hysteretic Model Parameters Using Support Vector Regression

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Research	(1) Shear strength of reinforced concrete members
Interest	<ul><li>(1) Shear strength of reinforced concrete members</li><li>(2) Seismic design and retrofit of reinforced concrete structures</li></ul>
Title of Paper	None

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Research Interest	(1) Seismic isolation and energy dissipation, (3) Seismic performance assessment for structural systems, (2) Structural control for earthquake engineering, (4) Smart structural systems.
Title of Paper	None

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Research	(1) Composite Structures	
	(2) Earthquake Engineering	
Interest	(3) Large-Scale Structural Tests	
Title of Donor	Seismic Behavior of Low-yield Steel and Concrete Cor	nposite Shear
Title of Paper	Walls subjected to Earthquake-type Loading	

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Research Interest	Seismic behavior, design and analysis of reinforced condand structures	crete members
Title of Paper	Seismic shear behavior of high-strength reinforced conceccentric steel beam joints	rete column-

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E-mail	nguyenbao.dct@gmail.com	
Research Interest	Seismic shear behavior reinforced concrete structures w strength reinforcement and concrete, Reinforced concre beam (RCS) joints	
Title of Paper	Seismic shear behavior of high-strength reinforced condeccentric steel beam joints	crete column-

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Research Interest	<ol> <li>Performance assessment of buildings</li> <li>Seismic risk assessment of nuclear power plants</li> <li>Passive control of structures</li> </ol>
Title of Paper	An Experimental Study on Seismic Behavior of Steel-Plate Composite Walls with Axial Compression Force

Name	Chien-Kuo Chiu	
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Dagaanah	Life-cycle Performance Assessment of Infrastructure	
Research	Maintenance Strategy of Infrastructure	
Interest	Reliability-based Durability Design for RC Structur	es
T'41 f D	Preliminary Seismic Assessment for Low-rise RC I	Building
Title of Paper	Structures Including Corrosion-induced Deterioration	1

Name	Po-Chien HSIAO	
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Research Interest	Design and Analysis of Steel Structures, Earthquake En Innovative Seismic Load Resisting Systems, Seismic P Assessment, Structural Testing.	
Title of Paper	EXPERIMENTAL DEVELOPMENT OF CORED N RESISTING STUB-COLUMN DAMPERS	MOMENT

Name	Chui-Hsin CHEN	
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Research Interest	<ul> <li>(1) Seismic Behavior of Steel Structure</li> <li>(2) Development of Resilient Structures and Systems</li> <li>(3) Application of Non-Conventional Material to Seismic Retrofitting of Structures</li> </ul>	
Title of Paper	Finite Element Analysis of Hollow Square Steel Brace	with Infill
Title of Paper	Reinforcement under Cyclic Loading	

Name	Hung-Jen LEE	
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Research Interest	(1) Seismic design of reinforced concrete structures, (2) Laboratory testing on reinforced concrete structures and elements, (3) Behavior of beam-column joints (4) Bond and anchorage of high-strength reinforcement	
Title of Paper	Tests and Nonlinear Strain Analysis of Mechanical Splices for High-	
Title of Laper	Strength Reinforcement in Special Moment Frames	

Name	TU, Yi-Hsuan	
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E-mail	yhtu@mail.ncku.edu.tw	
Research Interest	<ul> <li>(1) Behavior of reinforced concrete columns and walls</li> <li>(2) Seismic assessment of reinforced concrete buildings</li> <li>(3) Seismic behavior of confined masonry buildings</li> <li>(4) Lightweight structure design</li> </ul>	,
Title of Paper	Loading tests for RC frames retrofitted by attaching stee	el members

Name	Shih-Yu Joseph CHU	
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Research Interest	<ul> <li>(1) Implementation and Design of Structural Control Systems</li> <li>(2) Development of Real-Time Dynamic Hybrid Testing Techniques</li> <li>(3) Structural Health Monitoring and System Identification</li> </ul>	
Title of Paper	Multiple Criteria Decision Making on Damage Assessments of Target Building Array Subjected to Minor and Destructive Earthquakes	

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Research Interest	High Performance Fiber Reinforced Concrete Materials and Structures	
Title of Paper	SEISMIC RETROFITTING OF MASONRY-INFILLED RC	
Title of Paper	FRAMES USING UHPC SHOTCRETE	

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Research Interest	Structural Retrofitting and UHPC Materials and Structures	
Tid CD	Seismic Retrofitting of Masonry-Infilled RC Frames	Using UHPC
Title of Paper	Shotcrete	_

## Curriculum Vitae (Japan)

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Research Interest	Steel Structure, Cold-Formed Steel, Light-Gauge Structure, Steel Beam-Column
Title of Paper	Attendance

Name	Takuro Hayashi	
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Research Interest	Structural Performance of Beam-column of Steel Structure	
Title of Paper	EXPERIMENTAL STUDY OF THE BEAM-COLUMN WITH DIFFERENT WIDTH-TO-THICKNESS RATIO	

Name	Soya Nakatsuka	
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Research Interest	Structural Performance of Beam-column of Steel Structure	
Title of Paper	Mathematical Modeling of Steel Beam-Column under Compressiv e Axial Force with One End Monotonic Moment	

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BS / PhD	Kyoto University / Kyoto University	
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Research Interest	Reinforced and prestressed concrete buildings, precast concrete, seismic design, structural materials	
Title of Paper	Attendance	

Name	TANI, Masanori	
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Research Interest	Evaluation of seismic behavior and performance of reinforced concrete and prestressed concrete buildings	
Title of Paper	Attendance	

Name	Atsushi SHIBAYAMA	
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Research Interest	Seismic Design of Reinforced and Prestressed Concrete Buildings Life-cycle based Design of Precast Geopolymer Concrete Structures	
Title of Paper	Attendance	

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Research Interest	Seismic performance of reinforced concrete structure Seismic performance of steel structure
Title of Paper	NUMERICAL ANALYSIS ON SEISMIC PERFORMANCE OF INDUCTION-HEATED CURVED BRACES

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Research Interest	Seismic Retrofit of Reinforced Concrete structure, Optimal Seismic Retrofit	
Title of Paper	CYCLIC LOADING TESTS ON REINFORCED CONCRETE COLUMN STRENGTHENED WITH UFC PANELS	

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Research	Seismic performance of reinforced concrete structure	
Interest	Seismic performance of prestressed concrete structure	
Title of Paper	Attendance	

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Research Interest	(1) Structural Stability, (2) Thin-walled Structures, (Steel, (4) Structural Engineering, (5) Optimization	(3) Cold-Formed
Title of Paper	DISTORTIONAL BUCKLING OF COLD-FORMED MEMBER UNDER COMPRESSION	CHANNEL

Name	Kagesawa, Hiroto
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Research Interest	(1) Structural Stability, (2) Structural Engineering
	Effect of Restraint for Beams Connected to the Girders on
Title of Paper	Buckling Behavior of I-Shaped Beams with Continuous Lateral
	Restraints on Upper Flange

Name	Nakano, Tomoki
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Research Interest	(1) Seismic Design, (2) Passive Control Design, (3) Steel Structure, (4) Local Buckling
Title of Paper	

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Research Interest	(1) Structural Stability, (2) Cold-Formed Steel
Title of Paper	Buckling Strength Evaluation Method of Plate on Elastic Foundation and its Application to Sandwich Panels

Name	Takehito Kumano	
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Research Interest	(1) Seismic isolation Design, (2) Vibration Control Desi Structure	ign, (3) Mixed
Title of Paper	Base isolation and mid-story concentrated vibration	control system

Name	Susumu KONO
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Research	(1) Performance based seismic design of RC Structures (2)
Interest	Precast/Prestressed Concrete Structures
Title of Paper	Attendance

Name	Taku OBARA
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Research	Earthquake engineering, Reinforced Concrete structures, Finite element
Interest	modelling and nonlinear analysis
Title of Paper	Attendance

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Research Interest	(1) Seismic Design (2) Rocking wall (3) Reinforced Concrete Structures	
Title of Paper	Evaluation of Structural Performance of Unbonded Precast Concrete Walls	Post tensioned

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Research Interest	(2) Seismic Design (2) Steel-Concrete Composites (3) Reinforced Concrete Structures (4) Numeri	cal Modeling
Title of Paper	Seismic performance of Cast-in-place Concrete-fille Piles	ed Steel Tube

Name	Chanipa Netrattana	
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Research Interest	Earthquake Engineering, Reinforced Concrete Structures	
Title of Paper	Attendance	

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Research	(1) Reinforced Concrete Structure	
Interest	(2) High Strength Concrete and Shear Mechanism	
Title of Paper	Attendance	

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Research Interest	Seismic Design of Concrete Buildings, High Strength Concrete, Shear Mechanism, Ductility Improvement of Concrete Members
Title of Paper	Attendance

## Curriculum Vitae (Korea)

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Organization	School of Civil, Architectural Engineering and	
Organization	Landscape Architecture, Sungkyunkwan University	
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Research	(1) Shear and torsional behavior of RC structures,	
Interest	(2) Seismic design of RC structures	
Title of Paper	Attendance	

Name	Chang Jun BAE	
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Research	Steel Structures, Seismic Design of Non-Structural E	lements
Interest	Steel Structures, Seisinie Besign of Non Structura E.	icinents
Title of Paper	Shake-Table Testing of Seismic and Non-Seismic Su	spended Ceiling
	Systems	

Name	Yurim CHU
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Research	Performance Based Seismic Design, Seismic Design of
Interest	Structural/Non-Structural Components, Nonlinear Analysis
Title of Paper	SEISMIC DESIGN OF NON-STRUCTURAL ELEMENTS IN
•	NEGATIVE PRESSURE WARDS

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Research Interest	Experiment and analysis of reinforced concrete and composite structures Seismic evaluation and performance-based design of buildings	
Title of Paper	Nonlinear modeling of reinforced concrete coupling beams	

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Research Interest	<ul><li>(1) Application of ultra-high performance concrete,</li><li>(2) Digital concrete,</li><li>(3) Graphic statics.</li></ul>	
Title of Paper	Attendance	

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Research Interest	Inelastic analysis and seismic design of RC and comp	osite structures
Title of Paper	PLASTIC HINGE MODEL OF BEAM-COLUMN JO	DINTS

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Research Interest	Steel Design, Steel Structures	
Title of Paper	Shake-Table Testing of Seismic and Non-Seismic Su	spended Ceiling
	Systems	

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Research	(1) Size effect of RC structures	
Interest	(2) Shear and bond behavior of reinforced concrete st	tructures
Title of Paper	Evaluation of Torsional Strength of Reinforced Conc	rete beams
	Subjected to Bending, Shear and Torsion	

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Research Interest	<ul><li>(1) Dynamic Effects on Structures (Seismic, Wind, Blast, Impact)</li><li>(2) Design of Reinforced and Prestressed Concrete Structures</li></ul>	
Title of Paper	Head-Restraining Reinforcement in Knee Joints Subjection Cyclic Loading	ect to Reversed

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Research	(1) Combined Loading behavior of RC structures	
Interest	(2) Shear and bond behavior of reinforced concrete st	tructures,
T: 1 CD	Evaluation of Torsional Strength of Reinforced Conc	rete beams
Title of Paper	Subjected to Bending, Shear and Torsion	

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Research Interest	Composite structures, Seismic design/analysis, High-rise core wall design/construction method
Title of Paper	Flexural and shear strengths of composite walls with boundary elements of steel U-sections

Name	Hyeong-Gook KIM	
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Research	(1) Dynamic responses of building structures with a d	lamper system
Interest	(2) Behavior and performance of RC structures in she	ear and torsion
Title of Done	Evaluation of Torsional Strength of Reinforced Conc	rete beams
Title of Paper	Subjected to Bending, Shear and Torsion	

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Research	(1) Shear and bond behavior of reinforced concrete structures,	
Interest	(2) Shear and torsional behavior of RC structures	
Title of Paper	Evaluation of Torsional Strength of Reinforced Conc	rete beams
	Subjected to Bending, Shear and Torsion	

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Research	(1) Vibration control,	
Interest	(2) Steel and composite structures	
Title of Paper	STRUCTRAL IDENTIFICATION OF STRENGTH HYSTERESIS USING NONDIMENSIONALIZED MODEL	

Name	Taejin KIM	60
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Research Interest	Performance Based Earthquake Engineering, Structural Design of Steel Structures Seismic Design of Nonstructural Components, Structural Design of Tall Buildings	
Title of Paper	SEISMIC DESIGN OF NON-STRUCTURAL ELEM NEGATIVE PRESSURE WARDS	ENTS IN

Name	Cheol-Ho LEE	
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Research	Steel Structures, Seismic Design, High Performance	Steel, Tubular
Interest	Joints, and Fire Design	
Title of Donor	Shake-Table Testing of Seismic and Non-Seismic Suspended Ceiling	
Title of Paper	Systems	

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Research Interest	Seismic performance of precast and prestressed structural systems, and shear and torsion in concrete structures
Title of Paper	Seismic Performance and Strategic Design Method of Precast Intermediate Shear Wall

Name	Dong-Guen LEE	
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Research	(1) Seismic analysis and design of building structures	
Interest	(2) Efficient analytical models using super-elements.	
Title of Paper	Attendance	

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Research Interest	(1) Structural performance of RC members (2) Performance evaluation of RC structures using industrial byproducts	
Title of Paper	Evaluation of Torsional Strength of Reinforced Conc Subjected to Bending, Shear and Torsion	rete beams

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Research Interest	<ul> <li>(1) Earthquake Engineering of Building Structures</li> <li>(2) Numerical Modeling for Nonlinear Behavior of Reinforced</li> <li>Concrete</li> <li>(3) Reinforced Concrete Design (4) Steel-Concrete Composite Design</li> </ul>	
Title of Paper	Flexural and shear strengths of composite walls with belements of steel U-sections	ooundary

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Research Interest	Design of Protective Structures for Hybrid Disaster, and Performance Based Design, Extreme loading for	•
Title of Paper	SEISMIC DESIGN OF NON-STRUCTURAL I NEGATIVE PRESSURE WARDS	ELEMENTS IN

Name	Wei Zhang
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Research Inter	Finite element analysis, and design and analysis of RC and PSC Structures
Title of Paper	Seismic Performance and Strategic Design Method of Precast Intermediate Shear Wall