

## SCESCM 2012: List of Approved Abstract

1	Indonesia	Han Aylie, Parang Sabdono, Joko Purnomo	Finite Element Modeling of the Transition Zone between Aggregate and Mortar in Concrete
2	Indonesia	Sri Tudjono, Ilham Nurhuda, and Lie Hendri Hariwijaya	Nonlinear Analysis of Reinforced Concrete Beams Using FEM with Smeared Crack Approach, Mohr's Failure Criteria, and the Tomaszewicz Model
3	Indonesia	Dwi Dinariana	Value Engineering In Construction Method Rusunawa Prototype Building 5 Floor
4	Japan	REEM ALSEHNAWI	Analytical Investigation of Seismic Performance of Viaduct Bridge System with Seismic Isolation Bearing and another with Hybrid Rigid Frame Connections
5	Indonesia	Hari Nugraha Nurjuaman, Hairul Sitepu, HR Sidjabat	Precast Concrete Construction: A Green Construction Case Study: Comparison of Construction Energy and Environmental Influence in Low Cost Housing Construction in Batam
6	Indonesia	Slamet Widodo, Iman Satyarno, Sri Tudjono	Effects of Steel and Polypropylene Fiber Addition on Interface Bond Strength between Normal Concrete Substrate and Self-Compacting Concrete Topping
7	Indonesia	Tarsisius .Aris Sunantyo	Three dimensional dam monitoring continuously and automatically using Robotic Total Station : A cas study at Sermo Dam, Yogyakarta, Indonesia
8	Indonesia	Antonius, Himawan Indarto, Devita Kurniastuti	Mechanical Properties of Gunny Sack Fiber Concrete
9	Indonesia	Rivai Sargawi	Application Staging Construction Method on Levee Construction
10	UK	Fouad A Mohammad	Optimum Design of Steel Plate Girders according EC3
11	Indonesia	Y.P Devia, R.I Putri	Street Inlet for Enhancing Effectiveness of Stormwater Drainage (Case Study Jl. Soekarno Hatta Malang)
12	Indonesia	Syaiful	Research on the Influence of Coal Ash as Filler on Paved Mixed AC-WC
13	Indonesia	Budi K, Iman S	Multistep Filtration using Pervious Concrete and Pervious Mortar for Removing Suspended Particles in Water
14	Indonesia	Fitri Suryani, Tommy Ilyas, Suyono Dikun, and Suparti A. Salim	Model Public Private Partnerships in Settlement Infrastructure Development Based on Urban Renewal in Jakarta
15	Indonesia	Sholihin Asad, Endah Safitri	Influence of Type of Recycled Aggregate on the Shrinkage Development of Recycled Aggregate Concrete
16	Indonesia	Christiono Utomo	Multi-person Decision for Sustainable Desain on Roof System Selection
17	Switzerland	Urs Meier	Timber in Combination with Fiber Reinforced Polymers Enables Very Sustainable Structures
18	Indonesia	Arif Susanto, Hendrikus Budyanto	Waste Utilization of Coal Ash and Tailing as Bricks

19	Indonesia	Faqih M, Priyosulistyo	The Characteristic of Ultrasonic Pulse Velocity (UPV) on Mortar with Polypropylene as Additives
20	Iran	ManouchehrVaziri, PayamHosseini	An Appraisal on Nanotechnology Deployment in Production and Distribution of Cement-based Materials
21	Japan	Shunji Kanie	Sustainable Development in Vulnerable Environment: Difficulties in Cold Regions Engineering and Construction
22	Indonesia	Ali Awaludin	Development of Structural Shear Walls made from LVL <i>Paraserianthes falcataria</i> : Basic Mechanical Properties
23	Indonesia	Djoko Setyanto, Jamasri, B Suhendro, Alva E Tontowi	Design and Production of FRP Composite Sheet Roof
24	Indonesia	Andi Arham Adam	Study on the Durability of Alkali Activated Binder and Geopolymer Concrete - Chloride Permeability and Carbonation
25	Germany	Raphael Breiner, Edgar Bohner, Thorsten Heid, Harald S. Müller	Development and Rheological Optimisation of Cement Based Building Materials
26	Pakistan	Muhammad Ashraf Javid	Analyzing Behavior of Polymer Modified Asphalt Using Dynamic Shear Rheometer
27	Iran	Manouchehr Vaziri, Payam Hosseini, Mohammad Ali Nekooie	Involvement of Nanotechnology in Developing of Green Products for Sustainable Development of Concrete Industry
28	Indonesia	Anita Hayuniati, Ali Awaludin, Bambang Suhendro	Application of Wood Stave Pipeline in Seropan Caves
29	Indonesia	Edward Pesudo, Ali Awaludin, Bambang Suhendro	Lateral Load-slip Curve of Steel-Wood-Steel Bolted Timber Joints Composed of Several Layers with Different Specific Gravity
30	Indonesia	Dwi Lestari, Kabul Basah Suryolelono, Leni S. Heliani, T. Aris Sunantyo	Precise GPS Observation for Monitoring the Borobudur Temple Site
31	Japan	Tariq Khawaja Adeel, Maki Takeshi	Compression Fracture Energy of Cement Treated Sands
32	Indonesia	Chaidir Anwar Makarim	Forensic Engineering on Causes of Roof Collapses (Cave-in) in the Diversion Tunnel from Dam Project, Sumedang, West Java
33	Indonesia	Inggar Septhia Irawati, Bambang Suhendro, Ashar Saputra, Tibertius Prayitno	Evaluation of ISO 22157-1 Test Method for Tension Parallel to Grain of Petung Bamboo ( <i>Dendrocalamus. Sp</i> )
34	Indonesia	SUKAMTA	Flutter Analysis of Cable Stayed Bridge
35	Indonesia	Johannes Adhijoso Tjondro, Benny Hartanto	The Behaviour of Cross Nail-Laminated Timber Floor
36	Indonesia	Johannes Adhijoso Tjondro, Buen Sian, Sisi Nova Rizkiani, Riani Sidauruk	Mechanical Properties of Concrete Using Coarse and Fine Recycled Concrete Aggregate
37	Singapore	B. Kondraivendhan, Susanto Teng	Evaluation of Corrosion Rate of Reinforcement in Concrete from the Knowledge of Mix Factors and Exposure Conditions

38	Singapore	Jimmy Chandra, Susanto Teng	Evaluation of Code Procedures for Shear Strengths of Normal Strength to High Strength Concrete Walls
39	Singapore	Darren T Y Lim, Susanto Teng	Long-Term Durability Performance of Green Concrete for the Marine Environment
40	Singapore	Yu Liu, Susanto Teng,	Finite Element Analysis of Reinforced Concrete Slabs with Effective Stiffness Approach
41	Singapore	Susanto Teng	Ultra Durable Flat Plate Structural System for Sustainable Structural Design
42	Indonesia	Rendy Thamrin, Noor Azlina Abdul Hamid	Shear and Flexural Behavior of Concrete Beams Longitudinally Reinforced with GFRP Bars
43	Indonesia	Yohannes Lim	Influence of Portland Cement Paste (Quantity and Quality) on Early Age of Compressive Strength of Mortar
44	Taiwan	Doddy Prayogo, Min-Yuan Chen, Dedy Kurniawan Wibowo	Artificial Intelligence Approaches for Optimizing High-Performance Concrete Mix Design
45	Taiwan	Citra Satria Ongkowijaya	Multicriteria Evaluation of Renewable Energy Power Plant and Its Impact on the Living Standard Using Fuzzy Graphical Mathematic Model
46	Taiwan	Citra Satria Ongkowijaya	Simulation-based ME-MCDA using Stochastic Compromises Ranking Method for Sustainable Global Energy Supply Infrastructure Assessment: Net Energy Balance and Density Considerations
47	Taiwan	Doddy Prayogo, Min-Yuan Chen, Dedy Kurniawan Wibowo	Minimizing Construction Cost and CO2 Emission Problem by Imitating the Behavior of Ant Colony
48	Taiwan	Dedy Kurniawan Wibowo, Min-Yuan Chen, Doddy Prayogo	Solving Structural Optimization Problems using Bare-Bones Particle Swarm Optimization
49	Thailand	T V Tran, T Boonyatee, M Kimura	FE Analysis and Centrifugal Test of Settlement of Raft Foundation in Ground Subsidence Condition
50	Japan	Catur Basuki Setyawan	Community-based Flood Hazards Mapping for Risk Reduction in Flood Prone Areas: Case Study ar Kudus Regency, Kudus
51	Japan	Yuki Shimanaka, Tamon Ueda, Hitoshi Furuuchi, Dawei Zhang, Tetsuya Tamura, Lim Seung Chan	Effects of Reinforcing Material Amount of Overlaying on Fatigue Life of RC Slab
52	Indonesia	Paulus Karta Wijaya	Effect of Incline Stiffener on Elastic Lateral Torsional Buckling of I Steel Beam
53	Indonesia	Paulus Karta Wijaya	Experimental Study of Flexural Strength of Doubly Symmetric Build-up Coldformed Beam
54	Japan	Yoshinori Matsuo, Tamon Ueda, Hitoshi Furuuchi, Ryuichi Yamaguchi, Kazuya Nakayama	Experimental Study on Confinement Effect of Hoop-Reinforcing Bar for New Shear Connector using Slit Steel Pipe
55	Indonesia	Mochammad Afifuddin, Abdullah	An Investigation of the Flexural Behavior of Reinforced Foam Concrete Beams Made with Oil Palm Shell (OPS)
56	Indonesia	IGLB Eratodi, Andreas Triwiyono, TA Prayitno, Ali Awaludin	A Review on Test Results of Mechanical Properties of Bamboo

57	Indonesia	Iman Satyarno	Utilization of Existing Buildings as Vertical Evacuation Facilities at Indonesia Tsunami Potential Areas
58	Germany	Harald S Mueller	Sustainable Design Approaches - From Durable Concrete to Service Life Design for Concrete Structures
59	Macedonia	M Cvetkovska, M Knezevic, M Rogac	Thermal Insulation Effects on Energy Efficiency of Building Structures
60	Indonesia	Iswandi Imran	Latest Development in Green Concrete
61	Indonesia	M Fauzie Siswanto, Priyosulistyo, Morisco, Suprpto, Fitri Mardjono	The Effect of Leaching of CCB4 Preservative Material on Tensile Strength of 2 Species of Preserved Bamboo
62	Indonesia	Etri Suhelmidawati, Wendi Boy, Riki Adriadi, Rekana Zamzarena	Use of Bamboo for House Retrofitting in Padang Post-Earthquake 30 September 2009
63	Montenegro	M Rogac, M Knezevic, M Cvetkovska	Plastic Analysis of Steel Frame Structure