

Conference Program

SEPTEMBER 26, 2007

07.30-08.30 Registration

Welcoming Speech and Opening Speech (30')

08.30-09.00	Chairman of Organizing Committee <i>Prof. Dr.-Ing. Harianto Hardjasaputra (Universitas Pelita Harapan)</i>
	Chairman of Scientific Committee <i>Prof.Dr.-Ing. Karl-Heinz Reineck (Uni-Stuttgart, Germany)</i>
	Director of DAAD Jakarta Office <i>Mrs. Ilona Krueger-Rechmann, M.A</i>
	Chairman of HAKI <i>Ir. Davy Sukamta</i>
	Rector of Universitas Pelita Harapan <i>Jonathan L. Parapak</i>

09.00-09.15 Music Performance by Faculty of Art - UPH

Plenary Session 1. (75') Chairman:

09.15-10.30	Invited Speaker : <i>Prof.Dr.-Ing. Karl-Heinz Reineck (Uni-Stuttgart, Germany)</i> Shear Design Integrated in The Design Concept of Strut-and-Tie Models for Structural Concrete
	Invited Speaker : <i>Prof. Chan Weng Tat, Ph.D (NUS, Singapore)</i> A Systems Perspective Of Construction Productivity Improvement Efforts
	Invited Speaker : <i>Prof.Dr.-Ing. Pieter A. Vermeer (Uni-Stuttgart, Germany)</i> Geotechnical Aspects of Tunnelling
	Q & A (15')

10.30-10.45 Break (15')

Plenary Session 2. (90') Chairman:

10.45-12.15	Invited Speaker : <i>Prof. Andy Tan (Queensland University of Technology, Australia)</i> Piezoceramic Sensor for Monitoring of Structural Vibration
	Invited Speaker : <i>Prof. Lee Seng Lip (National University of Singapor)</i> Design and Performance of Fibredrain in Soil Improvement
	Main Sponsor INDOCEMENT (20')
	Invited Speaker : <i>Prof. Jenn-Chuan Chern, Ph.D (NTU, Taiwan)</i> The Development of High Strength Cementitious Materials for Seismic Energy Adsorption
	Q & A (10')

12.15-13.15 Lunch Break (60')

Technical Session I

13.15-14.45 (90')	Geotechnique & Infrastructure 5 paper @15' + 15' QA
	Paralel Session Structure & Construction 5 paper @15' + 15' QA
	Material (16 paper) 5 paper @ 15' + 15' QA
	Construction Management 5 paper @15' + 15' QA

14.45-15.15 Break (30')

Technical Session II

15.15-16.45 (90')	Geotechnique & Infrastructure 5 paper @15' + 15' QA
	Paralel Session Structure & Construction 5 paper @15' + 15' QA
	Material - 5 paper @ 15' + 15' QA
	Construction Management 5 paper @15' + 15' QA

SEPTEMBER 27, 2007

08.00-08.15 Music Performance by Faculty of Art - UPH

Plenary Session 3. (105') Chairman:

08.15-09.30	Invited Speaker : <i>Prof. Dr. Ir. Wiratman Wangsadinata (PT. Wiratman., Indonesia)</i> Dynamic Behaviour of Rigid Concrete Pavements Under Dynamic Traffic Loads Main Sponsor OPTIMA SOLUSINDO INFORMATIKA (20') Invited Speaker : <i>Prof. Dr.-Ing. Jürgen Hothan (Uni-Hannover, Germany)</i> High Speed Transport – A Comparison of Competing Systems Q & A (15')
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09.30-10.00	Distinguished Speaker: (25' + 5' QA) Your Excellency Minister of Public Works of Indonesia
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10.00-10.15 Tea & Coffee Break (15')

Technical Session III (105')

10.15-12.00 (105')	Geotechnique & Infrastructure 6 paper @15' + 15' QA Paralel Session Structure & Construction (III A) 6 paper @15' + 15' QA Structure & Construction (III B) 6 paper @15' + 15' QA Material 6 paper @ 15' + 15' QA Construction Management 6 paper @15' + 15' QA
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12.00-13.00 Lunch Break (at Food Junction) (60')

Technical Session IV (105')

13.00-14.45 (105')	Geotechnique & Infrastructure 6 paper @15' + 15' QA Paralel Session Structure & Construction (IV A) 6 paper @15' + 15' QA Structure & Construction (IV B) 6 paper @15' + 15' QA Material (FREE, 0 paper) Construction Management 6 paper @15' + 15' QA
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14.45-15.15 Tea & Coffee Break (30')

Plenary Session 4. (105') Chairman:

15.15-16.30	Invited Speaker : <i>Prof. Dr.-Ing. Karl-Heinz Reineck (Uni-Stuttgart, Germany)</i> Design Aspects for Ultra-High-Performance Concrete Invited Speaker : <i>Prof. Dr.-Ing. Pieter A. Vermeer (Uni-Stuttgart, Germany)</i> Advances in Numerical Analysis of Soil-Structure Interaction Problems Main Sponsor (20') : <i>PT Lippo Karawaci</i> Q & A (15')
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16.30-17.00	Closing Ceremony (30') Best Paper Award Closing Speech: Dean of Faculty of Desing and Planning <i>Dr. Ir. Felia Srinaga, MAUD</i>
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Plenary Session I (75')Time / Date : 09.15-10.30 (September 26th, 2007)

Room : Plenary Room (501)

Chairman :

No	Code	Title and Author
1	EACEF-028	Invited Speaker : <i>Prof.Dr.-Ing. Karl-Heinz Reineck (Uni-Stuttgart, Germany)</i> Shear Design Integrated in The Design Concept of Strut-and-Tie Models for Structural Concrete
2	EACEF-024	Invited Speaker : <i>Prof. Chan Weng Tat, Ph.D (NUS, Singapore)</i> A Systems Perspective Of Construction Productivity Improvement Efforts
3	EACEF-020	Invited Speaker : <i>Prof.Dr.-Ing. Pieter A. Vermeer (Uni-Stuttgart, Germany)</i> Geotechnical Aspects of Tunnelling (1)
4		Q & A (15')

Plenary Session II (90')Time / Date : 10.45-12.15 (September 26th, 2007)

Room : Plenary Room (501)

Chairman :

No	Code	Title and Author
1	EACEF-157	Invited Speaker : <i>Prof. Andy Tan (Queensland University of Technology, Australia)</i> Piezoceramic Sensor for Monitoring of Structural Vibration
2	EACEF-160	Invited Speaker : <i>Prof. Lee Seng Lip (National University of Singapore)</i> Design and Performance of Fibredrain in Soil Improvement
3		Main Sponsor INDOCEMENT (20')
4	EACEF-096	Invited Speaker : <i>Prof. Jenn-Chuan Chern, Ph.D (NTU, Taiwan)</i> The Development of High Strength Cementitious Materials for Seismic Energy Adsorption
5		Q & A (10')

Plenary Session III (105’)Time / Date : 08.15-10.00 (September 27th, 2007)

Room : Plenary Room (501)

Chairman :

No	Code	Title and Author
1	EACEF-159	Invited Speaker : <i>Prof. Dr. Ir. Wiratman Wangsadinata (PT. Wiratman., Indonesia)</i> Dynamic Behaviour of Rigid Concrete Pavements Under Dynamic Traffic Loads”
2		Main Sponsor OPTIMA SOLUSINDO INFORMATIKA (20’)
3	EACEF-049	Invited Speaker : <i>Prof. Dr.-Ing. Jürgen Hothan (Uni-Hannover, Germany)</i> High Speed Transport – A Comparison of Competing Systems
4		Q & A (15’)
5	09.30-10.00	Distinguished Speaker: (25’ + 5 ‘ QA) Your Excellency Minister of Public Works of Indonesia

Plenary Session IV (105’)Time / Date : 15.15 – 17.00 (September 27th, 2007)

Room : Plenary Room (501)

Chairman :

No	Code	Title and Author
1	EACEF-150	Invited Speaker : <i>Prof. Dr.-Ing. Karl-Heinz Reineck (Uni-Stuttgart, Germany)</i> Design Aspects for Ultra-High-Performance Concrete
2	EACEF-050	Invited Speaker : <i>Prof. Dr.-Ing. Pieter A. Vermeer (Uni-Stuttgart, Germany)</i> Geotechnical Aspects of Tunnelling (2)
3	EACEF-058	Main Sponsor (20’) : <i>PT Lippo Karawaci</i>
4		Q & A (15’)
5	16.30-17.00	Closing Ceremony (30’)

Time / Date : 13.15-14.45 (September 26th, 2007)

Room : Class Room No. 1

Chairman :

No	Code	Title and Author
1	EACEF-001	Payment for Environmental Services (PES) to Sustain Water Infrastructure Purwanti Sri Pudyastuti
2	EACEF-050	The Introduction of Refusal Density Test on Asphalt Mixture Design Eri Susanto Hariyadi, R Anwar Yamin and Bambang Ismanto Siswosoebrotho
3	EACEF-058	Repeated Load Triaxial Test on Asphalt Mixture of Steel Bridge Deck and Its Simulation by FEM Yang Jun, Zhu Hao-ran, Cong Ling, Cui Juan
4	EACEF-070	Some Considerations to Implement Foamed Bitumen Technology for Road Construction in Indonesia Iswandaru Widyatmoko and Sri Sunarjono
5	EACEF-072	Hydraulic Conductivity of Tropical Peat Soil from Sarawak Prabir Kumar Kolay and Shahrul Bin Shafiee

Time / Date : 13.15-14.45 (September 26th, 2007)

Room : Plenary Room

Chairman :

No	Code	Title and Author
1	EACEF-002	Parallelisation of Multiple Ant Colonies Using Master-Slave Approach for Structural Optimisation Raja Murugadoss J., Rajendran M.G., Priya Vaijyanthi R.
2	EACEF-004	Standardisation of Partial Strength Composite Connections Using Pre-Fabricated Steel Sections Mahmood Md Tahir, Anis Saggaff, Arizu Sulaiman, Shek Poi Ngian
3	EACEF-010	3-D Nonlinear Analysis for Seismic Assessment of Vertically Mixed Structures Ali Hemmati and Ali Kheyroddin
4	EACEF-014	The Application of STM (based on ACI 318-02) and FEA for the Design of Structural Transfer-Wall - Case study : 'Kota Kasablanka' Mixed Use Project, Jakarta Wiryanto Dewobroto, Sugeng Wijanto, Ign. Toto Ismintarto
5	EACEF-015	Combination of High Frequency Modes in Seismic Analysis of Irregular Buildings Dhileep M. and Pratima Rani Bose

Time / Date : 13.15-14.45 (September 26th, 2007)

Room : Room II

Chairman :

No	Code	Title and Author
1	EACEF-018	Pitting Corrosion Model for Reinforced Concrete Structures in a Chloride Environment M. Sigit Darmawan
2	EACEF-048	Influence of Circulating Fluidized Bed Combustion Fly Ashes on Ground Vitriified Blast Furnace Slag Hydration I Made Alit Karyawan Salain
3	EACEF-053	Development of Advanced Inspection Device for Inside Concrete Structures Achfas Zacoeb, Koji Ishibashi, Yukihiro Ito, Noriyuki Miyamoto, and Masamichi Sogabe,
4	EACEF-65	The Performance of Asphalt Mix Containing Slag Aggregates for Heavy Trafficked Roads Eri Susanto Hariyadi and Leksminingsih
5	EACEF-66	Laboratory Evaluation of Asphalt Mix Containing Buton Natural Asphalt Leksminingsih and Eri Susanto Hariyadi

Time / Date : 13.15-14.45 (September 26th, 2007)

Room : Room III

Chairman :

No	Code	Title and Author
1	EACEF-005	The Application of Value Management in Construction Industry - A Case Study on The Cost Effectiveness of Portal Frame Structure in Factory Projects Hardiman, Sharifah Akmam Syed Zakaria and Ng Slew Lian
2	EACEF-007	Impact of Company Characteristics on Marketing Expenditures in Construction Krishna Mochtar,
3	EACEF-40	Indonesian Supervisors' Perception of Construction Site Managers Peter F. Kaming
4	EACEF-012	The Implication of Fire Risk Treatment Using Performance Based Fire Safety Design on Office High Rise Buildings in DKI Jakarta Manlian Ronald Adventus Simanjuntak
5	EACEF-027	Financial Innovation for Infrastructure Financing Lukas B. Sihombing

Time / Date : 15.15-16.45 (September 26th, 2007)

Room : Class Room No. 1

Chairman :

No	Code	Title and Author
1	EACEF-099	A Numerical Analysis of Hydrodynamic Effect on Bottom sediment Characteristics After Reclamation Projects in Sanbanze Shallows of Tokyo Bay – JAPAN Hendra Achiari and Jun Sasaki
2	EACEF-110	Lessons on Quality Assurance of Pile Foundation Using Static / Dynamic Test, Practised in Indonesia Harianto Hardjasaputra
3	EACEF-124	Biaxial Testing of Overconsolidated Clay Miftahul Fauziah and Hamid Nikraz
4	EACEF-074	Simulating Dynamic Behavior of Reservoir Discharges Under Dynamic Rainfall Uncertainty Susilo, G.E., D. Setiyoko, and Harijadi
5	EACEF-101	The Comparison of Asphalt Emulsion Cold Mix Using MS 19 and RDCRB Specification Leksminingsih and M. Sjahdanulirwan

Time / Date : 15.15-16.45 (September 26th, 2007)

Room : Plenary Room

Chairman :

No	Code	Title and Author
1	EACEF-019	Comparison of Truss Model for Shear of Reinforced Concrete Beams M. Sigit Darmawan,
2	EACEF-021	Numerical Modeling of Composite Structures: Comparison Between Analytical and Experimental Results Herman Parung
3	EACEF-039	Prediction of Load-Deflection Responses of Double-Curvature RC Squat Walls Ika Bali and Shyh-Jiann Hwang
4	EACEF-052	Analysis of Pylon Cable Stayed Bridge due to Wind Load Olga Pattipawaej, Yosafat A. Pranata and Tiara E. Rachmanda
5	EACEF-055	Hazard Discussion on Masonry Arch Structure with Joints Damage Under Vertical Loading Jing Deng-hu and Cao Shuang-yin

Time / Date : 15.15-16.45 (September 26th, 2007)

Room : Room II

Chairman :

No	Code	Title and Author
1	EACEF-67	Investigation of Bonding Condition Between Asphalt Pavement Layer Using The Modified Direct Shear Test Eri Susanto Hariyadi; Bambang Ismanto; Bambang Sugeng and Djunaedi Kosasih
2	EACEF-80	The Performance Improvement of Fiber Pullout of Nylon 600 by Clumped Embedded Fiber End M.I. Retno Susilorini
3	EACEF-82	Behaviour of GFRP Beam Under Flexural Loading Rudy Djamaluddin
4	EACEF-85	Utilization of Waste Materials in Manufacturing of Self-Compacting Concrete Jong Herman Cahyadi
5	EACEF-147	Application of Basic Oxygen Furnace Slag in Self-compacting Concrete – Development and Behavior Yin-Wen Chan and Ming-Chih Lee

Time / Date : 15.15-16.45 (September 26th, 2007)

Room : Room III

Chairman :

No	Code	Title and Author
1	EACEF-08	Marketing Expenditures in The Indonesian Construction Industry Krishna Mochtar
2	EACEF-29	Spreadsheet Application for Small Enterprises in Managing Construction Projects Muhamad Abduh, Andri Y. Rosyad, Susman Hadi, and Rangga Yudha
3	EACEF-31	Important Risks on Public-Private Partnership Scheme in Water Supply Investment in Indonesia Krishna, S. Pribadi and M. Husnulloah Pangeran
4	EACEF-61	An Analysis of Facts and Figures of The Construction Industry Accidents in Victoria, Australia M. Asad Abdurrahman and Chandra Bhuta
5	EACEF-73	Risk Implication at Multifunction Highrise Building in DKI Jakarta Parea Rusan Rangan and Manlian Ronald

Time / Date : 10.15-12.00 (September 27th, 2007)

Room : Class Room No. 1

Chairman :

No	Code	Title and Author
1	EACEF-143	The Determination of Rest Area Along Toll Road Optimality Fransiscus Mintar Ferry S.,
2	EACEF-13	Small-Strain Shear modulus of Cement-Admixed Clay Ali Pak and Mahdi Bahador
3	EACEF-156	Investigation of Effects Of Rayleigh Wave Different Modes on Dispersion Characteristics of Layered Media T. Akhlaghi
4	EACEF-151	Air Pollution from Road Traffic – Measurement Using Regression Analysis Rahayu Sulistyorini, Ofyar Z. Tamin
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6		

Technical Session III-A (105')**Group of Structure and Construction**Time / Date : 10.15-12.00 (September 27th, 2007)

Room : Plenary Room

Chairman :

No	Code	Title and Author
1	EACEF-60	Hinge Properties Modeling for Behavior and Performance Evaluation of RC-Shearwall Buildings Yosafat Aji Pranata and Anang Kristianto
2	EACEF-63	Optimal Placement of Multiple Tuned Mass Dampers to Improve Structural Performance of Building under Earthquake Excitation Rildova, Dyah Kusumastuti, and Nurita Handayani
3	EACEF-68	Non-linear Finite Element Analysis of RC Beam-Composite Column Joint Under Cyclic Loading Iskandar, Dyah Kusumastuti, Bambang Budiono, and Herlien D. Setio
4	EACEF-75	Effects of The Opening Location on Partially Prestressed Concrete Hybrid T-Beams of Normal – Lightweight Concrete Titik Penta Artiningsih
5	EACEF-128	Performance of Modal Pushover Analysis on A First Mode Dominant Moment Resisting Frame Ima M., Benjamin L., Irma J.H., Hartanto W.,
6	EACEF-131	Base Isolation in Traditional Building - Lesson Learned from Nias March 28, 2005 Earthquake Pamuda Pujisuryadi, Benjamin Lumantarna and Yuskar Lase

Technical Session III-B (105')**Group of Structure and Construction**Time / Date : 10.15-12.00 (September 27th, 2007)

Room : Room IV

Chairman :

No	Code	Title and Author
1	EACEF-152	Buckling Analysis of Cruciform Column Using Universal Beam Section Anis Saggaff, Shek Poi Ngian, Mahmood Md Tahir, Arizu Sulaiman, Wong Kah Leong,
2	EACEF-108	Structural Response Measurement : A Key To Advanced Diagnostic of Structural Damage Herlien.D.Setio, Sangriyadi Setio
3	EACEF-155	Fatigue Damage Assessment of Steel Bridges Using Strain Measurement T.H.T. Chan , Z.X. Li, D. Thambiratnam, and A.C.C. Tan
4	EACEF-133	Vulnerability Assessment of An Existing Highway Bridge by 3-D Push-Over Analysis and Proposing Its Retrofit Design Mahmood Hosseini and Seyyed Reza Khavari
5	EACEF-137	Bending Experiments on Stiffened Circular Plates with Clamped Edges H. Showkati and K. Imani.
6		

Time / Date : 10.15-12.00 (September 27th, 2007)

Room : Room II

Chairman :

No	Code	Title and Author
1	EACEF-92	Study on Flexural Strength of Self Compacting Concrete Containing Portland Pozzolan Cement Rita Irmawaty and M.Wihardi Tjaronge
2	EACEF-146	Cross-Property Relationships of Porous Media Jack Widjajakusuma
3	EACEF-91	Compressive Strength and Elasticity Modulus of Porous Concrete Containing Portland Pozzolan Cement Muhammad Wihardi Tjaronge
4	EACEF-135	An Investigation in Mechanical Property and Workability of Lightweight Mortar with Various Percentages of Scoria Instead of Sand Vahid Razavi Tosee and Mohamad Hassan Ayazi
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Time / Date : 10.15-12.00 (September 27th, 2007)

Room : Room III

Chairman :

No	Code	Title and Author
1	EACEF-09	Pricing Strategy in The Indonesian Construction Industry Krishna Mochtar
2	EACEF-87	Revaluig Construction in Indonesia (Comparative Study) Abriyani Sulistyawan
3	EACEF-88	Study of Risk Level at Pioneer Airport Development Project (Case of Rampi Airport South Sulawesi) Suharman Hamzah,
4	EACEF-102	Do the Construction and Property, and Real Estate Firms Create Wealth to Their Shareholders ? Andreas Wibowo, Hazairin
5	EACEF-114	The Influence of Perceived Project Risk on Project Characteristics I Putu Artama Wiguna and Heppy Kristijanto
6	EACEF-154	Safety Defenses in Construction Projects Andi, Albert Cahyono, Roy Hartawan

Technical Session IV-A (105')**Group of Structure and Construction**Time / Date : 13.00-14.45 (September 27th, 2007)

Room : Plenary Room

Chairman :

No	Code	Title and Author
1	EACEF-138	Structural Effective Properties of Elastic Castellated Section O.Kohnepooshi , H.Showkati
2	EACEF-76	Moment Coefficients for Statically Indeterminate Prestressed Concrete Structures Yoyong Arfiadi and Muhammad N.S. Hadi, "
3	EACEF-77	Flexible Mounted Tuned Liquid Column Dampers for Reducing Structural Response Yoyong Arfiadi
4	EACEF-109	Reliability Centered Maintenance for Railway Networks Herlien.D.Setio, Dono Ari Bawono and Sangriyadi Setio
5	EACEF-112	A Comparative Study of An Active and Passive Control System of Building Structures Excited by Seismic Loadings Herlien.D.Setio , Sri Kusuma and Sangriyadi Setio
6	EACEF-127	Review of Transitional Shelter for Victims of the 27th Earthquake Disaster in Yogyakarta Andreas Triwiyono

Technical Session IV-B (105')**Group of Structure and Construction**Time / Date : 13.00-14.45 (September 27th, 2007)

Room : Room IV

Chairman :

No	Code	Title and Author
1	EACEF-153	Parametric Study In The Semi-Continuous Design of Multi-Storey Braced Steel Frame Using Trapezoidal Web Profiled (TWP) Section Anis Saggaff , Tan Cher Siang, Mahmood Md Tahir, Arizu Sulaiman, Wong Kah Leong,
2	EACEF-136	Retrofit of Bridge Decks Supported by Steel Girders Adel ElSafty
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Time / Date : 13.00-14.45 (September 27th, 2007)

Room : Room III

Chairman :

No	Code	Title and Author
1	EACEF-103	Probabilistic Earned Value Management for Construction Projects Andreas Wibowo
2	EACEF-158	Women Career and Factors Influencing in Construction Dian Mariska, Andi and Ratna S. Alifen
3	EACEF-41	Causes of The Accidents on Construction in Developing Countries Peter, F. Kaming, Eko Setyanto, and Sandy Santosa
4	EACEF-42	Application of Project Management Maturity Model for Construction Peter F. Kaming and Budi Prasajo
5	EACEF-45	The Need for Standard Production Information of Indonesian Construction Industry Reini D. Wirahadikusumah
6	EACEF-149	Evaluating Financial Ratios in Construction Industry: A Case Study of Indonesian Firms M. Sapri Pamulu, Stephen Kajewski, and Martin Betts
7	EACEF-011	Applications of IT in Different Stages of Infrastructure Projects in Iran Ali Hemmati , Abbas Rashidi and Saeed Hemmati