

International Collaborative Graduate Program (ICGP) on Civil and Environmental Engineering  
**Student Exchange Program in 2009 between Thammasat University and Saitama University**  
 18-28 November 2009

**List of Participants from Saitama University**

Faculties	Graduate Students	
Assoc. Prof. Masato SAITOH	Shingo OTSUKA (Foundation)	Ryoko FUNATO (Transportation)
Assoc. Prof. Takeshi MAKI	Ryota NAKAGAWA (Foundation)	Yuko OSAWA (GRIS)
Assoc. Prof. Chiaki OGUCHI	Hikaru WATANABE (Material)	Tatsuya CHINONE (GRIS)
	Toshihiro SHIKIJI (Material)	Hanbing ZHANG (GRIS)
	Makoto TAKAHASHI (Structural)	

**Theme**

Consideration of Long-Term Stability of World Heritage, Ayutthaya

**Subtheme**

- A 班：劣化      ◎大澤祐子、乳根達矢、張 寒冰      ◎印：班長  
 B 班：保全      ◎渡邊 光、大塚真悟、高橋 眞  
 C 班：遺産評価 ◎中河亮太、船戸諒子、敷地俊洋

**Schedules**

Thursday 19 November 2009

- 9.00-9.30      Welcome speech  
 9.30-12.00    Campus Tour, Faculty of Engineering, Sirindhorn International Institute of Technology.  
 12.00-13.00   Lunch  
 13.00-14.30   Presentation on students' research theme 1  
 14.30-15.00   Coffee Break  
 15.00-16.30   Presentation on students' research theme 2

Friday 20 November 2009

- 8.00-18.00    Trip to Ayuthaya

Saturday 21 November 2009

- 9.00-17.00    Student Exchange Program

Monday 23 November 2009

- 9.00-10.20    Lecture at SIIT 9:00-10:20 :Reinforced Concrete Design (Dr.Amorn Pimanmas)  
 10.20-12.00   Investigation, discussion and preparation of theme research Part 1  
 12.30-13.30   Lunch  
 13.30-16.30   Investigation, discussion and preparation of theme research Part 1

Tuesday 24 November 2009

- 9.00-12.30    Special lectures from TU and SU  
 12.30-13.30   Lunch  
 13.30-16.30   Investigation, discussion and preparation of theme research Part 2

Wednesday 25 November 2009

- 9.00-10.30 Student presentation 1
- 10.30-11.00 Coffee break
- 11.00-12.30 Student presentation 2
- 12.30-13.30 Lunch
- 13.30-16.30 Depart to Rayong

Thursday 26 November 2009

International Symposium on Engineering, Energy and Environmental (ISEEE2009)  
Opening Ceremony, Plenary Lectures, Technical Sessions, Banquet

Friday 27 November 2009

International Symposium on Engineering, Energy and Environmental (ISEEE2009)  
Cultural Exchange  
Depart to Airport

Saturday 28 November 2009

Arrival at Narita Airport

国際会議概要：

- ・プレゼンテーション数 84 件
- ・Civil Engineering 23 件（内、埼玉大学 14 件、タマサート大学+埼玉大学共同 3 件、タマサート大学 3 件、横浜国立大学 3 件）

<b>Effect of Salinity on Swelling Behavior of Bentonite</b>	<b>S.Wiwat, S.M. Shirazi, H.Kazama and J.Kuwano</b>
Analysis of groundwater table fluctuation in Bangkok area, Thailand by using soft computing techniques	<i>Uruya Weesakul, Kunio Watanabe and Natkitta Sukasem</i>
<b>Strength Reduction And Surface Alteration of Mortars During Wetting/Drying Experiment Using Seawater And Sulfate Solution</b>	<b><i>Chiaki T. Oguchi, Akihiro Sekiguchi, Thidar Aye, Yasuhiko Takaya and Tamao Hatta</i></b>
Field and Numerical Study on Water Quality Processes in Dredged Trenches of Tokyo Bay	<i>Jun Sasaki and Yuya Yoshimoto</i>
Intensity-Duration-Frequency (IDF) Relation of Annual Maximum (AM) Rainfalls in Japan and Thailand	<i>C. Chaleeraktragoon, T. Reaungrojana and K. Watanabe</i>
<b>Effects of Soil Nonlinearity Upon Optimal Radius of Fixed-Head Pile Subjected to Kinematic Interaction</b>	<b><i>Masato Saitoh</i></b>
Soil-Structure Interaction Effects on Elastic Response of Buildings in Bangkok by Frequency-Dependent Impedance Function	<i>Pongsathon Chaokhuntutod, Nakhorn Poovarodom and Masato Saitoh</i>
<b>Evaluation of Seismic Damage and Reparability of RC Columns in terms of Cracks</b>	<b><i>Takeshi Maki, Masahiro Toriu and Nozomu Wada</i></b>
Seismic Evaluation of Elevated Bridge in Bangkok	<i>Prakit Chomchuen and Virote Boonyapinyo</i>
<b>Damage to Structures Subjected to Aftershocks Evaluated By Using Damage Index</b>	<b><i>Shingo Otsuka, Masato Saitoh, Hideji Kawakami, Yuta Nogami, Yoshitaka Murono</i></b>

<b>Influence of Strengthening of Bridge Piers on Seismic Behavior of Foundation</b>	<i>Anawat Chotesuwan, Hiroshi Mutsuyoshi, Takeshi Maki</i>
<b>Evaluation of Natural Periods of Ground Subjected to Strong Earthquake Waves Based on H/V Technique</b>	<i>Ryota Nakagawa, Masato Saitoh, Hideji Kawakami</i>
<b>Shear Failure Mode of Reinforced Concrete Beams Using High Strength Concrete</b>	<i>Hikaru Watanabe, Hiroshi Mutsuyoshi, Ryosuke Takeda</i>
<b>SHM of Diagonal Members in Truss Bridge by Hammer Tests</b>	<i>Makoto Takahashi, Tsutomu Yoshioka, Hiroki Yamaguchi, Dissanayake Amila Prasanna</i>
Identification of Flutter Derivatives of Bridge Decks in Wind Tunnel by Stochastic Subspace Method	<i>Virote Boonyapinyo, Worapoj Thamasungkeeti and Tharach Janesupasaeree</i>
Wind Induced Responses of a Slender Tower from Continuous Monitoring	<i>Nakhorn Poovarodom and Nuttaphon Magteppong</i>
Performance Evaluation of New Weathering Steels by Exposure Tests	Tanabe Atsushi, <i>Eiichi Sasaki</i> , Chitoshi Miki
Passengers' Preference on Urban Public Transport Service in Nairobi	<i>Okamura Toshiyuki</i> , Githui John Ngatia, Nakamura Fumihiko
<b>GIS Based Estimate Model of Bus Stop Passengers</b>	<i>Ryoko Funato, Kunihiro Sakamoto, Masaru Yajima, Junichi Yamagishi Hisashi Kubota</i>
<b>Study on Restraint of Steel Corrosion in Reinforced Concrete Structures</b>	<i>Toshihiro Shikiji, Hiroshi Mutsuyoshi, Keiko Kawana, Ryo Sugihara</i>
<b>Analyses of pore pressure change in fractured rock due to the shaft excavation in the Mizunami area, Japan</b>	<i>Tatsuya Chinone, Mebruk Mohammed, Kunio Watanabe and Shinji Takeuchi</i>
<b>Role of Micropores on Freeze-Thaw Weathering of Building Stones</b>	<i>Yuko Osawa, Chiaki T. Oguchi</i>
<b>Earthen Structures Documentation in Ajina Tapa, Tajisistan: the Use of 3D Photogrammetry</b>	<i>Hanbing Zhang, Kunio Watanabe, Yukiyasu Fuji, Enrico Fodde</i>

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Welcome Speech by Dr. Uruya, Dean of Faculty



Campus Tour (Wind Tunnel)



Special Lecture by Dr. Naret (FOE) and Dr. Amorn (SIIT)



Site Visit to Ayutthaya (Group A: Measurement of Deterioration)



Site Visit to Ayutthaya (Group B: Measurement of Structural Safety)



Site Visit to Ayutthaya (Group C: Evaluation of World Heritage)



Group Discussion with Thai Students



Group Discussion with Thai Students



Final Presentations on World Heritage Ayutthaya



International Symposium on Engineering, Ecology and Environment (ISEEE) in Rayong



Presentations by SU students in ISEEE



Presentations by SU student and SU faculty member in ISEEE



Chairs of sessions by SU faculty members and the venue of ISEEE