

Managing Committee

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Deputy President of ISERD	Prof. Dr. Bunthan Ngo Prof. Dr. Anan Polthanee Prof. Dr. Eiji Yamaji		
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Chairs of Awarding Committee	Prof. Dr. Eiji Yamaji	Chair of Excellent Paper Award	
	Prof. Dr. Regucivilla A. Pobar	Chair of Poster Presentation and Excellent Poster Award	

Chairmanship

Oral Presentation

Room 1	Room 2	Room 3	Room 4
1st session, 10:30-12:00 Infrastructural System (In)	1st session, 10:30-12:00 Rural Development (Ru)	1st session, 10:30-12:00 Environmental Management (En)	1st session, 10:30-12:00 Agricultural Systems (Ag)
Chair Prof. Dr. Anan Polthanee Co-chair Prof. Dr. Machito Mihara	Dr. Merites M. Buot Dr. Piti Kantangkul	Dr. Tomas D. Reyes Dr. Shogo Nakamura	Dr. Tadao Yamamoto Dr. Toru Nakajima
2nd session, 13:30-15:00 Education for Sustainable Rural Development (Ed)	2nd session, 13:30-15:00 Rural Development (Ru)	2nd session, 13:30-15:00 Environmental Management (En)	2nd session, 13:30-15:00 Agricultural Systems (Ag)
Chair Prof. Dr. Josefina T. Dizon Co-chair Dr. Pornchulee Nilvises	Dr. Junaid Alam Memon Dr. Loreta P. Andot	Prof. Dr. Kiichiro Hayashi Dr. Hiromu Okazawa	Prof. Dr. Inocencio Jr. Buot Dr. Jeeranuch Sakkhamduang
3rd session, 15:30-17:00 Education for Sustainable Rural Development (Ed)	3rd session, 15:30-17:00 Rural Development (Ru)	3rd session, 15:30-17:00 Environmental Management (En)	3rd session, 15:30-17:00 Agricultural Systems (Ag)
Chair Dr. Somsak Srisontisuk Co-chair Dr. Sunan Seesang	Prof. Dr. Srdjan Lalic Dr. Sinisa Berjan	Dr. Samuel Gulayan Dr. Anucha Wittayakorn Puripunpinyoo	Prof. Dr. Dieter Trautz Dr. Chuleemas Boonthai Iwai

Poster Presentation

Chair Prof. Dr. Regucivilla A. Pobar			
Education for Sustainable Rural Development (Ed)	Rural Development (Ru)	Environmental Management (En)	Agricultural Systems (Ag)
Co-chairs: Dr. Ampairat Aksornprom Dr. Neil Michel G. Olaivar Dr. Takanashi Fumie Dr. Vanisa Chandasiri	Co-chairs: Dr. Catherine Buenaventura Dr. Jinda Klibtong Dr. Shinobu Yamada Dr. Sineenuch Khrutmuang Sanserm	Co-chairs: Dr. Ayako Sekiyama Prof. Jose T. Traverero Dr. Carol Payot Dr. Matsuo Eiji Dr. Sigit Arifwidodo Dr. Takahiko Kubodera	Co-chairs: Dr. Arunee Promkhambut Dr. Duangrat Thongpak Dr. Suchint Simarak Dr. Sukanlaya Choenkwan Dr. Vo Quang Minh
Infrastructural and Information Systems (In)			
Co-chairs: Dr. Kittiwet Khantiyawichai Dr. Sergio Azael May Cuevas			



Program of the 8th International Conference on Environmental and Rural Development

February 24, 2017 (Friday)

Registration

17:30-19:00 Registration at Sukhothai Thammathirat Open University, Nonthaburi

February 25, 2017 (Saturday)

Part I

Opening Program

07:00 - 08:00 Registration at STOU, Nonthaburi

08:00 - 09:00

Opening ceremony

- Program announcement by Dr. Monthicha Putsakum, Dean of School of Agriculture and Cooperatives, STOU
- Opening remarks by Dr. Somchin Suntavaruk, President of STOU
- Introduction of ISERD as a part of ESD, Professor Dr. Mario T. Tabucanon, President of ISERD
- Outcomes from ISERD Council Meeting, Professor Dr. Machito Mihara, Executive Secretary of ISERD
- Introduction of Excellent Paper Award, Professor Dr. Eiji Yamaji, Chair of Excellent Paper Award, the 8th ICERD
- Introduction of Excellent Poster Presentation Award, Professor Dr. Regucivilla A. Pobar, Chair of Excellent Poster Presentation Award, the 8th ICERD

09:00 - 10:00

Keynote address “Research for Sustainable Development”
Associate Professor Patamawadee Pochanukul (Ph.D.)
Deputy Director of the Thailand Research Fund

Part II

Scientific Program

10:00 - 10:30

Poster presentation and coffee break

10:30 - 12:00

Session 1 of oral presentations

12:00 - 13:30

Lunch

13:30 - 15:00

Session 2 of oral presentations

15:00 - 15:30

Poster presentation and coffee break

15:30 - 17:00

Session 3 of oral presentations

Part III

Banquet and Awarding ceremony

18:00 - 21:00

Banquet and Awarding Ceremony, STOU

February 26, 2017 (Sunday)

Venue : Phra Nakhon Si Ayutthaya Province

Excursion

07:00

Leave STOU

08:00 - 11:00

Visit “Bang Pa-In Royal Palace” (Cultural Program)

11:00 - 11:30

Leave the palace for “Ko Kerd Community”

12:00 - 13:00

Lunch at “Ko Kerd Community”

13:00 - 15:00

Observe local activities in “Ko Kerd Community” (Technical Program)

15:00 - 16:00

Leave the community for STOU

16:00

Arrive at STOU



Presentation Program

Oral presentation

Chair of Excellent Paper Award: **Prof. Dr. Eiji Yamaji**

Room 1		Room 2	
<u>Infrastructural System (In)</u>		<u>Rural Development (Ru)</u>	
<u>Education for Sustainable Rural Development (Ed)</u>			
1st session			
Time	Chair: Prof. Dr. Anan Polthanee Co-chair: Prof. Dr. Machito Mihara	p. no.	Chair: Dr. Merites M. Buot Co-chair: Dr. Piti Kantangkul
10:30-10:45	Jcob C. Malaguit, Marriane F. Makahiya and Mark Lexter D. De Lara <i>Event-Based Rainfall-Runoff Forecasting in Pampanga River Basin, Philippines using Artificial Neural Network (ANN)</i>	1	Aleksandra Despotovic, Miomir Jovanovic, Hamid El Bilali, Sladjan Stankovic, Miljan Jokosimovic and Sinisa Berjan <i>Diversification of Rural Livelihoods and Local Economy in Montenegro</i>
10:45-11:00	Takahiko Kubodera, Takanobu Suzuki, Hiroshi Masaharu and Eiji Matsuo <i>Analysis on Surface Deformation and Cracks in Paddy Fields by Kumamoto Earthquakes in 2016 Using GNSS and Photogrammetry</i>	2	Serica Joy M. Compendio and Marlito M. Bande <i>Assessment on the Effectiveness of Community-Based Forest Management Program in Cienda and San Vicente, Baybay City, Leyte, Philippines</i>
11:00-11:15	Koji Watanabe, Futoshi Kawana and Yasushi Takeuchi <i>Development of a Device for Measuring the Load Bearing Capacity of a Farm Road</i>	3	Yuko Fukuda and Yukio Ikemoto <i>Comparative Study of People Livelihood among Residential Areas in Sri Lanka</i>
11:15-11:30	Fadoumo A. Malow, Sawahiko Shimada, Tatsuya Hirokane and Hiromichi Toyoda <i>3Dmodel Simulation of Runoff and Groundwater Flow on a Catchment Scale: Kourtimalei (Djibouti)</i>	4	Regucivilla A. Pobar, Josefina G. Gentallan and Nelson M. Patena <i>Indigenous Materials for the Cottage Industry in Antequera, Bohol, Central Philippines</i>
11:30-11:45	Shahab Alddin Shokri <i>An Introduction to the Solar Water Heater in Naomads, A Decision Making Model</i>	5	Lorita P. Andot and Regucivilla A. Pobar <i>Dried Purang Industry in Lakewood, Zamboanga Del Sur, Philippines</i>
11:45-12:00	Satomi Kimijima and Masahiko Nagai <i>Transformation of Conventional Person Trip Data and Time-series Analysis along with Dawei Special Economic Zone Project Development in Myanmar</i>	6	Regucivilla A. Pobar, Nelson M. Patena and Josefina G. Gentallan <i>Village Type Pottery Industry</i>
2nd session			
Time	Chair: Prof. Dr. Josefina T. Dizon Co-chair: Dr. Pornchulee Nilvises	p. no.	Chair: Dr. Junaid Alam Memon Co-chair: Dr. Lorita P. Andot
13:30-13:45	Catherine V. Buenaventura and Marcelino T. Razalan, Jr. <i>The Effectiveness of the Community-Based Participatory Action Research (CPAR) Project: The Ifugao Experience</i>	7	Kong Seng Kaing, Neang Malyne, Duk Piseth and Keo Socheat <i>The Study on Value Chain of Rice Production in Phnom Sampov Commune, Banan District, Battambang Province</i>
13:45-14:00	Christopher C. Mantillas <i>Public Information Campaigns on Environmental Awareness and Disaster Risk Reduction and Management: The Case of Cabuyao City, Laguna, Philippines</i>	8	Kazuyoshi Nemoto, Hiromasa Inuduka, Shogo Nakamura and Yasuhumi Mori <i>Supply Chain Analysis for Determining the Requirements for Continuous Woody Biomass Energy Utilization Systems: Comparison of the Actual Management Conditions in Japan</i>
14:00-14:15	Udomsak Dechochai and Surin Thongthod <i>The Formation of Community Organizations in Managing Agricultural Areas in the South of Thailand, Part of the Food Security and Balanced Sustainable Agricultural Area Management Project</i>	9	Songserm Homklin, Suchada Sataworawong and Wan-abdulrohnee Lehduee <i>Non-Performing Loan Factors of Ibnu Affan Islamic Cooperatives Limited</i>
14:15-14:30	Rona C. Montecalbo, Merites M. Buot and Rodolfo A. Ignacio III <i>Satisfaction and Dissatisfaction of Team Members as Influenced by their Perception of Leadership Quality</i>	10	Fraol Lemma Balcha and Anteneh Salehu <i>Evaluation of Microfinance Institutions in Ethiopia from the Perspective of Sustainability and Outreach</i>
14:30-14:45	Orana Chandrasiri, Sigit Arifwidodo and Vasina Chandrasiri <i>Mainstreaming the Use of Urban Park for Physical Activity Promotion: A Case Study of Benjakitti Park in Bangkok, Thailand</i>	11	Masyhuri, Slamet Hartono, Lestari Rahayu and Hani Perwitasari <i>Comparative Studies of Partnership between Credit Farmers (Tebu Rakyat Kredit) and Independent Farmers (Tebu Rakyat Kemitraan) with Tasik Madu Sugar Factory in Kediri, East Java, Indonesia</i>



14:45-15:00	Sapna Jayaratne, Chaturika Wanninayake, Udayangani Kulatunga, Dinuka Lakmali, Eranga Perera, Kasun Wanninayake and Neelamanie Yapa <i>Probiotics for Skin Health and the Potential Application in Cosmetics</i>	12	Sommart Sangpradub and Wilasluk Wongwai <i>Feasibility Study of Establishing Central Rubber Market in the North Thailand</i>	30
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3rd session

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15:45-16:00	Asikin Yoeu, Didier Pillot and Jean-Michel Salles <i>Understanding Farmers' Strategies, Innovations and Changes in Upland Cambodia</i>	14	Tadao Yamamoto, Nozaki Akihiro, Shimizu Katsuyuki, Kume Takashi and Jalalain Abdisalam <i>Effects and Problems of Participatory Irrigation Management on Dry Land Agriculture in Turpan, China</i>	32
16:00-16:15	Alisa Sahahirun, Rowena DT. Bacongus, Josefina T. Dizon, Maria Ana T. Quimbo and Serlie B. Jamias <i>Farmers' Adoption of Highland Terrace Paddy Cultivation Technology in Northern Thailand</i>	15	Dusit Wechakit, Sutida Maneeanakekul, Aingon Chaiyes and Somsak Piriyaoytha <i>Local Community Network Empowerment for Prevention and Protection of Coastal Erosion in Bang Kaeo Sub-District, Samut Songkhram Province, Thailand</i>	33
16:15-16:30	Genaro A. Cuaresma, Mary Josette P. Abilay, Corinne Zoe G. Balansag, Mark Jayson V. Cortez and Ma. Gracia C. Novillas <i>A Goal-Programming Approach to Determining an Equitable Palay Sharing in Leasehold Farmlands in Selected Areas of Laguna, Philippines</i>	16	Prince Kumar and Akshat Kumar Singh <i>A Modern Concept of Integrated Development: Sustainable Model based on Direct Application of Technical Research to Rural Areas applying Demand-Driven Initiatives</i>	34
16:30-16:45	Olga Tyunina and Eiji Yamaji <i>Certification Schemes for Alternative Agriculture in Japan</i>	17	Merites Buot and Cardenas Virginia <i>Developing a Community Wellbeing Index in Disaster-Prone Areas of the Philippines</i>	35
16:45-17:00	Ponsaran Saranrom, Bumpen Keowan, Benchamas Yooprasert, and Sineenuch Khrutmuang Sanserm <i>Competency Level Development in Business Operations of Young Smart A-SMEs</i>	18	Vanisa Chandrasiri, Anucha Wittayakorn-Puripunpinyoo and Sulak Kongkaew <i>Ready to Drink Milk as a Nutritional Tool for Human Capital Development of Thailand</i>	36

Room 3
Environmental Management (En)

Room 4
Agricultural Systems (Ag)

1st session

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10:30-10:45	Kiichiro Hayashi and Makoto Ooba <i>Spatial Assessment of Cultural Ecosystem Services for Urban Forest based on a Multi-point Field Survey: Case in Nagoya City, Japan</i>	37	Chuleemas Boonthai Iwai and Ajcharawadee Kruapukdee <i>Using Vermitechnology in Soil Rehabilitation for Rice Production in Salt-affected Area of Northeast Thailand</i>	55
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11:45-12:00	Somaly Chan <i>The Impact of Mimosa pigra on Local Livelihood in Stung Sen Core Area, Tonle Sap Biosphere Reserve</i>	42	Jacob Maore and Machito Mihara <i>Development of Portable Artificial Rainfall Simulator for Evaluating Sustainable Farming in Kenya</i>	60
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Poster presentation

Chair of Poster Presentation and Excellent Poster Award: **Prof. Dr. Regucivilla A. Pobar**

Infrastructural Systems (In)

Co-chairs: **Dr. Kittiwet Khantiyawichai**

Dr. Sergio Azael May Cuevas

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|------|--|----|
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Education for Sustainable Rural Development (Ed)

Co-chairs: **Dr. Ampairat Aksornprom**
Dr. Takanashi Fumie

Dr. Neil Michel G. Olivar
Dr. Vanisa Chandasiri

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Rural Development (Ru)

Co-chairs: **Dr. Catherine Buenaventura**
Dr. Shinobu Yamada

Dr. Jinda Klibtong
Dr. Sineenuch Khrutmuang Sanserm

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Environmental Management (En)

Co-chairs: **Dr. Ayako Sekiyama**
Prof. Jose T. Traverro
Dr. Sigit Arifwidodo

Dr. Carol Payot
Dr. Matsuo Eiji
Dr. Takahiko Kubodera

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Agricultural Systems (Ag)

Co-chairs:	Dr. Arunee Promkhambut Dr. Sukanlaya Choenkwan Dr. Vo Quang Minh	Dr. Duangrat Thongpak Dr. Suchint Simarak
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