

2019 Society of Wetland Scientists-Asia Chapter and Korean Wetlands Society Joint Meeting
Suncheon City, Republic of Korea
19-22 August 2019

Program

19 August		Activity				
12:30-13:00	Registration / Photo exhibition / Exhibition (set-up is available from 10am)					
Plenary*	Opening ceremony Wooseok Hall, 1F, 70-year Memorial Hall					
13:00-13:10	- Welcome performance					
13:10-13:14	- Opening remarks					
13:14-13:16	- Prof. Wei-Ta Fang / President of Society of Wetland Scientists (Society of Wetland Scientists - Professional Certification)					
13:16-13:20	- Prof. Kim Hung Soo / President of Korean Wetlands Society					
13:20-13:25	- Welcoming remarks					
13:25-13:30	- Mr. Heo Seok / Mayor of Suncheon City					
13:30-13:35	- Congratulatory remarks					
13:35-13:40	- Prof. Koh Young Jin / President of Suncheon National University					
14:00-14:10	- Mr. Suh Seung Oh / Executive Director of Ramsar Regional Center - East Asia					
14:10-14:40	Plaque of appreciation handover ceremony Video presentation about Suncheon City					
14:40-15:00	MOU ceremony among Suncheon City, Korean Wetlands Society, and SWS-Asia Chapter					
15:00-16:20	Troubled Water : A Turtle's Tale film introduction					
16:20-16:40	Photo opportunity					
16:40-18:00	-Keynote speech					
18:00-19:30	• Sustainably solving wetland loss and harmful algal blooms (HABs) with Wetlands and weticulture / Prof. William Mitsch (Florida Gulf Coast University)					
19:30-20:00	• Physical Constraints on the Stabilization of Coastal Carbon / Dr. Patrick Megonigal (Smithsonian Environmental Research Center)					
19:30-20:00	Coffee and tea break					
Session**	Main Conference Room 대회의실 (2F)	Middle Conference room 1 중회의실1 (2F)	Middle Conference room 2 중회의실2 (3F)	Middle Conference room 3 중회의실3 (3F)	Auditory Rm, Museum 시청각실·박물관 (2F)	
15:00-16:20	Wetland Sound Science and Education Chair : Prof. Wei-Ta Fang SWS - Asia	Wetland Biodiversity Chair : Prof. Kim Hyun Woo SWS-Asia	Effective Management of Wetland Sites Chair : Dr. Rahim Amat SWS-Asia	Wetlands for Water Quality Management Prof. Jung Hyun Choi KWS	Water Resources and Wetlands Prof. Jin Gul Joo KWS	
16:20-16:40	Coffee and tea break					
Session**	Main Conference Room 대회의실 (2F)	Middle Conference room 1 중회의실1 (2F)	Middle Conference room 2 중회의실2 (3F)	Middle Conference room 3 중회의실3 (3F)	Auditory Rm, Museum 시청각실·박물관 (2F)	
16:40-18:00	Society of Wetland Scientists Professional Certification Program Chair : Dr. John Lowenthal SWS-Asia	Coastal Wetlands: Remote Sensing and Ecosystems Chair: Dr. Joo-Hyung Ryu KWS	Collaboration and Data Sharing in Wetland Science: The Mekong Wetland University Network and Beyond Chair : Dr. Doung Van Ni SWS-Asia	Wetlands for Water Quality Management Chair: Dr. Hye Won Lee KWS		
18:00-19:30	Welcome reception					
20 August		Activity				
Plenary*	Keynote speech Wooseok Hall, 1F, 70-year Memorial Hall					
8:50-9:20	• Asia, leading the world in wetland science and management / Prof. Marinus Otte (North Dakota State University)					
9:20-9:50	• Riverine & Riparian Corridor Assessment at a Riverscape / Prof. Wei-ta Fang (National Taiwan Normal University)					
9:50-10:20	• Science and Exploration in Asia / Mr. Jay Lee (National Geographic Society – Asia)					
10:20-10:40	Coffee and tea break					
Session**	Main Conference Room 대회의실 (2F)	Middle Conference room 1 중회의실1 (2F)	Middle Conference room 2 중회의실2 (3F)	Middle Conference room 3 중회의실3 (3F)	Auditory Rm, Museum 시청각실·박물관 (2F)	
10:40-12:00	-	Wetland Ecosystem Services Chair : Dr. Kang Sung Ryoung SWS-Asia	Mangrove Ecosystems Chair : Prof. Hsing-Ju Lin SWS-Asia	Wetland Ecology and Management Chair: Prof. Yuno Do KWS	-	
12:00-13:20	Lunch					
Session**	Main Conference Room 대회의실 (2F)	Middle Conference room 1 중회의실1 (2F)	Middle Conference room 2 중회의실2 (3F)	Middle Conference room 3 중회의실3 (3F)	Auditory Rm, Museum 시청각실·박물관 (2F)	
13:20-14:40	-	Eco-DRR in Asia Chair : Prof. Yukihiro Shimatani SWS-Asia	Food Web Aspects and Wetlands: Biological Interactions from Bottom to Top in Shallow Water Bodies and Littoral Food Web Chair : Prof.Chang Kwang-Hyeon SWS-Asia	Wetland Ecology and Management Chair: Prof. Gu Yeon Kim KWS	Water Resources and Wetlands Chair: Dr. Jungsoo Yoon KWS	
14:40-15:00	Coffee and tea break					
Session**	Main Conference Room 대회의실 (2F)	Middle Conference room 1 중회의실1 (2F)	Middle Conference room 2 중회의실2 (3F)	Middle Conference room 3 중회의실3 (3F)	Auditory Rm, Museum 시청각실·박물관 (2F)	
15:00-16:20	-	Carbon Cycle in Coastal Wetlands Chair : Prof. Kang Hojeong SWS-Asia	Wetlands in Rice Fields Chair: Dr. Jinkwan Son KWS	NBS and Wetlands Chair: Prof. Leehyung Kim KWS	Water Resources and Wetlands Chair: Prof. Doguen Yoo KWS	
16:20-16:40	Coffee and tea break					
Plenary	Closing ceremony Wooseok Hall, 1F, 70-year Memorial Hall					
16:40-17:00	- Award for outstanding presentation					
*simultaneous translation (Korean-English) will be provided during the plenary session						
** parallel sessions organized by the Society of Wetland Scientists-Asia (SWS-Asia) and Korean Wetlands Society (KWS)						
21 August		SWS-Asia		KWS		
9:00-17:00	Field visit to Suncheon Bay, Suncheon Bay Natinal Garden, Nakan Village - Field visit will be arranged based on registration - The bus will depart at 8:30 AM in front of Ecograd Hotel		9:00-12:00		Wetland education program for students - This program targets elementary to high school students and will be conducted in Korean	

Session room		70-year Memorial Hall				University Museum
Date	Time	Main conference room (2F)	Middle conference room 1 (2F)	Middle conference room 2 (3F)	Middle conference room 3 (3F)	Auditory room (2F)
19-Aug	15:00-16:20	Wetland Sound Science and Education	Wetland Biodiversity	Effective Management of Wetland Sites	Wetlands for Water Quality Management	Wetlands for Water Quality Management
	16:40-18:00	Society of Wetland Scientists Professional Certification Program	Coastal Wetlands : Remote Sensing and Ecosystems	Mekong Wetland	Wetlands for Water Quality Management	
20-Aug	10:40-12:00		Wetland Ecosystem Services	Mangrove Ecosystems	Wetland Ecology and Management	
	13:20-14:40		Eco-DRR	Food Web Aspects and Wetlands	Wetland Ecology and Management	Water Resouces and Wetlands
	15:00-16:20		Carbon Cycle in Coastal Wetlands	Wetlands in Rice Fields	NBS and Wetlands	Water Resouces and Wetlands

	SWS-Asia chapter
	KWS

Oral presentation

Date	Time	Session room	Session topics	Chair	#	Abstract title	Authors
19-Aug	15:00-16:20	Main Conference Room	대회의실	Wetland Sound Science and Education	Prof. Wei-Ta Fang (Society of Wetland Scientists)	<ol style="list-style-type: none"> 1 Outdoor education toward wetland education: Their influences on responsible environmental behaviors 2 Wetland Sound Science and Education: Kuala Selangor Mangrove Wetland Park 3 Building concept and attitude for wise-use of wetland ecosystem in Taiwan 	<p>Wei-Ta Fang</p> <p>Abbas Ali Masare</p> <p>Chang-Po Chen</p>
		Middle Conference room 1	중회의실1	Wetland Biodiversity	Prof. Kim Hyun Woo (Suncheon National University)	<ol style="list-style-type: none"> 1 Research on the Role of Constructed Wetland Vegetation in Climate Change "Mitigation" and "Adaptation"—Case Study of Carbon Sequestration by Mangrove Forest in Jhong-Dou Wetlands Park in Kaohsiung 2 Long-term response of lake aquatic plant community and their functional traits to climate change and land-use modification 3 Exploring two alternative stable states of a wetland ecosystem using a modelling approach 4 The strengths of relationships between other populations, fish and macroinvertebrate communities as well as habitat conditions across three Korean rivers by inferential modeling based on the hybrid evolutionary algorithm HEA 	<p>Jung-Yi Lab, Hsiang-Juh Lin, Chung-Twan Kuo, Kenji-Horigome</p> <p>Ji Yoon Kim, Jun Nishihiro</p> <p>Dong-Kyun Kim, Hyun-Woo Kim, Ihn-Sil Kwak</p> <p>Sungwon Hong, Friedrich Recknagel, Hyo Gyeom Kim, Tae-Soo Chon, Gea-Jae Joo</p>
	16:40-18:00	Middle Conference room 2	중회의실2	Effective Management of Wetland Sites	Dr. Rahim Amat (Sabah Wetlands Conservation Society)	<ol style="list-style-type: none"> 1 Effective Management of Wetland Sites 2 Wetlands of the Indian Himalayas: A case study on the effective management of transborder wetlands of Indian Chanothang, Ladakh 3 Changes in the floating meadows of Keibul Lamjao National Park, India and their implications for the conservation of threatened Eld's deer 4 Tidal flat restoration of the Suncheon Bay, Southern Coast of the Republic of Korea 	<p>Jun-Kyu Park, Yuno Do</p> <p>Rahim Amat</p> <p>Syed Anul Hussain, Niladri Dasgupta, Ruchi Badola</p> <p>Syed Anul Hussain, Chonggi Tubo, Niladri Dasgupta, Ruchi Badola</p> <p>Jeonq-Min Cho, Sunq-Sil Heo, Sunq-Won Woo, Suk-Ho Ji</p> <p>John Lowenthal</p>
		Middle Conference room 2	중회의실2	Collaboration and Data Sharing in Wetland Science: The Mek Dr. Doung Van Ni (Wetland University Network)		<ol style="list-style-type: none"> 1 Society of Wetland Scientists Professional Certification Program/Wetland Restoration Lessons Learned 2 A River Basin-based Cooperative Effort on Wetland Research and Conservation Trainings 3 Transboundary collaboration in wetland research: Small wetlands (palustrine) in the Central Indochina Dry Forest Ecosystem and their conservation impact 3 Eastern Sarus Crane Reintroduction Program in Thailand 	<p>Doung Van Ni, Tran Triet, Samsane Choowaeuw, Jeb Barzen</p> <p>Nguyen Hoa Bao, Jeb Barzen, Tran Triet, Duong Van Ni, Sok Pheak, Soth Withun, Shaara Ainsley, Sinsamout Ouboundsane</p> <p>Pysakorn Teeritsoop</p>
	10:40-12:00	Middle Conference room 1	중회의실1	Wetland Ecosystem Services	Dr. Kang Sung Ryong (National Institute of Ecology)	<ol style="list-style-type: none"> 1 Building mangrove futures to determine synergies and trade-offs in mangrove ecosystem services: Experience from a multi-country research project 2 Assessment of ecosystem regulating services in the wetland protected areas in South Korea 3 Modeling Social-Ecological System for Enhancing Ecosystem Services in Wetland City 4 A Systematic Approach to Natural Resources Management of Coastal Wetlands Based on Resilience Thinking Process 	<p>Rajeshi Dasgupta</p> <p>Inyoung Jang, Wooyeong Joo, Kyounghu Oh, Seunghum</p> <p>Min Kim, Ilan Jin, Jinhyung Chon</p> <p>Ilan Jin, Min Kim, Jinhyung Chon</p> <p>Chuan-Wen Ho, Hsiang-Juh Lin</p> <p>Shang-Shu Shih, Tziq-Yu Chena</p> <p>Yo-Jin Shiau, Yuanfeng Cai, Yu-Te Lin, Zhongjun Jia, Chih-Yu Chiu</p> <p>Chuan-Wen Ho, Sin-Ho Pan, Hsiang-Juh Lin</p> <p>Lei Yang, Chung-Shin Yuan, Hsiang-Juh Lin</p>
		Middle Conference room 2	중회의실2	Mangrove Ecosystems	Prof. Hsiang-Ju Lin(Taiwan Wetland Society)	<ol style="list-style-type: none"> 1 Factors regulating carbon budgets in mangrove ecosystems 2 On developing an evolution model for simulating geomorphic dynamics of tidal waterways and mudflats 3 Phylogenetically distinct methanotrophs modulate methane oxidation in rice paddies and mangrove soils 4 Macrobenthic Fauna in Taiwan Mangroves 5 Are the coastal wetlands carbon sink or source on greenhouse effect? 	<p>Amado Jr. Tolentino</p> <p>Amado Sahio Cabanban, Nathalie Doswald, Karen Sudmeier-Rieux</p> <p>Amy M. Lecciones, Patricia May Labitoria, Aaron Julius M. Lecciones, Ma. Catriona E. Devanadera</p> <p>Shin-ichi Nakano, Kwang-Hyeon Chang, Hideyuki Doi, Yoshikuni Hoddaki, Nobuyoshi Ishii, Zenichiro Kawabata, Yuki Kobayashi, Pathmalal M. Manage, Yuchiro Nishibe, Koko Ohbayashi, Noboru Okuda</p>
		Middle Conference room 1	중회의실1	Eco-DRR in Asia	Prof. Yukihiko Shimatani (Kyushu University)	<ol style="list-style-type: none"> 1 Wetlands in the Local Strategy for Disaster Risk Reduction 2 Lessons learned in promoting an ecosystem-based approach for disaster risk reduction in the Philippines and opportunities for meeting conservation and resilience goals 3 Documenting Capability of Inland Wetlands in Reducing Disaster Risk in the Philippines 	<p>Koonhee Kim, Naryoung Kim, Soorjin Hwang</p> <p>Ju-Duk Yoon, Keun-Sik Kim, Dong-Won Kang, Jeonq-Hyeon Lee</p>
		Middle Conference room 2	중회의실2	Food Web Aspects and Wetlands: Biological Interactions from Prof.Chang Kwang-Hyeon (Kyung Hee University)		<ol style="list-style-type: none"> 1 Planktonic processes and food web structure/dynamics in shallow ponds, with special reference to cyanobacterial bloom 2 Improvement of biological water quality assessment method using eDNA in biofilm on river/streams : case study in the Han River watershed, Korea 3 Application of environmental DNA (eDNA) for monitoring of freshwater fish in South Korea 4 Analysis of wetland food web structure using stable isotope: focusing on endangered frog species (<i>Polypedates chiosensis</i>) and its biological interactions 5 Trophic contribution and ecosystem services of mangrove in Chiku lagoon, Taiwan 	<p>Hye-Ji Oh, Min-Ho Chang, Ju-Duk Yoon, Jong-Mo Suh, Kyung-Hoon Shin • Kwang-Hyeon Chang</p> <p>Ya-yun Lian, Li-Yung Hsieh, Mei-Li Hsueh, Hsuan-Wien Chen</p> <p>J. Patrick Meqonigaj, Genevieve Noyce</p>
	15:00-16:20	Middle Conference room 1	중회의실1	Carbon Cycle in Coastal Wetlands	Prof. Kang Hojeong (Yonsei University)	<ol style="list-style-type: none"> 1 Opposing Effects of Temperature and Elevated CO₂ on Tidal Wetland Methane Emissions 2 Different responses of methane emission and microbial community affected by the introduction of <i>Spartina andyfica</i> and <i>Phragmites australis</i> in temperate tidal salt marsh 3 Distribution and sources of organic carbon in the sediment of coastal wetlands in Korea 4 Impacts of exotic <i>Spartina alterniflora</i> invasion on methane emission from Chinese coastal wetlands 	<p>Inhyun Kim, Hojeong Kang</p> <p>Bong-Oh Kwon, Jongmin Lee, Junsung Noh, Beomgi Kim, Kyuwon Hwang, Jong Seong Khim</p> <p>Junji Yuan, Wexin Ding, Devan Liu, Hojeong Kang</p>

Poster presentation

Date	Session topics	Chair	#	Abstract title	Authors
19-20 Aug	Wetland Sound Science and Education	Prof. Wei-Ta Fang (Society of Wetland Scientists)	1	Assessment of utilization status and visitor satisfaction of wetland educational facilities: case study of Nakdong Estuary	Hyo Gyeom Kim , Hee Sun Park, Gu Yeon Kim, Young Min Kim, Yuno Do, Gea-Jae Joo
			2	Application of DNA barcoding for identification of carnivorous fish diets in the wetland ecosystems	Hyunbin Jo , Dong-Kyun Kim, Kiyun Park, Ihn-Sil Kwak
	Wetland Biodiversity	Prof. Kim Hyun Woo (Suncheon National University)	3	Distribution of zooplankton communities in the main lakes in Jeollanamdo, South Korea	Eui-Jeong Ko , Yuno Do, Geunghwan La, Gea-Jae Joo, Hyun-Woo Kim
			4	Temporal progression of soil nematode community and diversity in rice paddy wetland, Taiwan	Tang-wei Lin, Chao-Huei Lin, Ming-Chung Chiu, Hsuan-Wien Chen
			5	Artificial wave breakers promote the establishment of alien aquatic plants in a shallow lake	Ji Yoon Kim , Tokuya Yano, Ryo Nakanishi, Hiroki Tagami, Jun Nishihiro
			6	Spatiotemporal recovery of Eurasian otter (<i>Lutra lutra</i>) in South Korea	Sungwon Hong , Hyo Gyeom Kim, Gea-Jae Joo
			7	Blood serum reference range of <i>Pelophylax nigromaculatus</i>	Inyu Kim , Yewon Kim, Yuno Do
			8	Impact of large river modification on fish community in a main channel site and an associated wetlands (Nakdong River)	DongHyun Hong , Jeong Soo Gim, Woobeen Kim, Hyunbin Jo, Gea-Jae Joo
			9	The influence of size and surrounding land cover on wetland habitat conditions: a case study of inland wetlands in South Korea	Ran-Young Im , Taekyu Kim, Chung-Yeol Baek, Song-Hyun Kim, Chang-Su Lee, Jung-Hwan Lee, Ji Yoon Kim, Gea-Jae Joo
			10	Large weir construction causes the loss of seasonal habitat in riverine wetlands: a case study of four large river projects in South Korea	Ran-Young Im , Ji Yoon Kim, Jun Nishihiro, Gea-Jae Joo
Effective Management of Wetland Sites Eco-DRR in Asia	Dr. Rahim Amat (Sabah Wetlands Conservation Society) Prof. Yukihiko Shimatani	1	Plant community structure of the floating meadows of Keibul Lamjao National Park, India and its significance for the conservation of the endangered <i>Sagittaria arifolia</i>	Syed Ainal Hussain , Chongpi Tuboi, Niladri Dasgupta, Ruchi Badola	
		2	Restored wetlands from abandoned-paddy can contribute to the climate change adaptation: conceptual study and some case studies	Jun Nishihiro , Hiroki Kato, Kazuaki Ohtsuki, Ayato Kohzu	