



ICAMG-8

CONFERENCE HANDBOOK

5 ~ 10 OCTOBER 2015
Maison Glad Jeju (Jeju Grand Hotel)
Jeju, Republic of Korea

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WELCOME ADDRESSES



Dear distinguished guests and respectful colleagues,

Welcome onboard! On behalf of the organizing committee, I would like to deliver our warm welcome and to thank all of you for joining the 8th International Conference on Asian Marine Geology (ICAMG-8).

At now we have about 450 abstracts submitted and the online registration is successfully underway. The venue and field trip sites are being prepared without any serious issue except the change of the hotel's name. This successful gathering would not be possible without the love, enthusiasm, voluntary collaboration of our senior supporters, faithful friends and hard-working staffs for marine geological activities in Asian region.

Marine geology is an endless wonderland as well as a boundless playground of human intellect. It does not tell just the stories of the sea nor the seafloor, but has been whispering stories of the deeper part of the earth. It

sometimes even draws our eyes toward the outer space.

Owing to the 20th-century development of subsea technology marine geological activities could reveal a huge amount of information. These days, although not all, we could imagine the geological aspects and features on the seafloor, their change and interaction with the surroundings and their influence to our human beings. Nowadays those activities seem more focused on human adaptation to our mother nature as global-scale climate change and geo-hazards become more significant.

The organizing committee believes that the ICAMG-8 will not be only a meeting of sharing scientific knowledge and experience. But we are also sure that it gives all the participants another precious opportunity to enjoy the beauty of the Jeju Island, the triple-crowned island of Biosphere Reserve, World Heritage and Global Geopark designated by UNESCO. See you in Jeju!

Dr. Kyu Han Kim

President

Korea Institute of Geoscience and Mineral Resources
(KIGAM)



It is my honor to welcome you, distinguished scientists and guests to the 8th International Conference on Asian Marine Geology (ICAMG-8). The ICAMG has been recognized worldwide as a prominent Asian Forum for exchanging and sharing scientific research outputs and ideas.

Among many geological features in the sea, sediments, in particular, are salient elements of the coast, as they provide natural protection for living creatures against the incoming sea and storm surges. The geologic features of the coast have been changed due to the interplay among natural forces between land and the sea in the geologic past. However, as human civilization has increasingly prospered along the coast, coastal sediment dynamics, in particular, beach erosion, has to be understood in great detail to address the issues resolve between the roles of natural forces and human activities. Our society has waited our scientific research outcomes for the last few decades; however, coastal community's patience is running out fast due to the slow advancement of our scientific knowledge on the

coastal morphodynamics. Therefore, I would emphasize that the ICAMG-8 will play a crucial, timely role in addressing huge challenges created by climate change and human activities in the marine environments in the 21st century.

This conference is expected to bring more than 400 participants from all over the globe, not restricted within the Asia, but also Europe and the Americas. The Jeju Island itself provides a lot of unique geological sites featured by volcanic cones, mounds, islets, caves and so forth. Beaches composed of detrital as well as coral sands are also waiting for every participant to give numerous scientific meanings as well as scenic beauties in the northwest Pacific Ocean. Taking over the former successful conferences, we again welcome you all to the Jeju Island with the catch phrase "Asian Marine Geology: a Gate to the Future".

Dr. Gi-Hoon Hong

President

Korea Institute of Ocean Science and Technology
(KIOST)



Dear esteemed scientists and distinguished guests,

On behalf of the Korea Polar Research Institute, I would like to extend my warmest greetings to you all. It is a delight and honor to sponsor the 8th International Conference on Asian Marine Geology (ICAMG-8), an opportunity for great Asian minds to gather and share the newest ideas and the latest research in marine geology, the most exciting science. It is quite encouraging to learn that almost 450 abstracts were submitted to this conference not only from Asia but other continents as well. It is a great progress since the first ICAMG meeting in 1988 in Shanghai. Jeju Island is a special place well known for its unique volcanic features of rocks, craters and vegetation as well as human heritage, one of the showcases of our wonderful planet Earth. Like Jeju Island, the Polar region is an extraordinary location. It is a remarkable zone where we can view the past, present and future of the globe. The Polar region, however, does not exist in isolation, but is connected to the rest of the world. The session called ‘Climate Changes in Polar

Regions’ is provided to highlight the importance of Polar region in studying climate changes with marine sediments. In the session 29 papers including 18 oral presentations are going to be introduced. I am also pleased to report that more and more Asian marine scientists and geologists now travel to the top and bottom of the Earth to unlock the mystery. Our institute is prepared to offer our infrastructure and expertise for collaborative use in order to open the gate to a future together. This line of thought also leads me to hope that this conference becomes a table to sit around to share wisdom for not only Asian marine geologists but also international colleagues, expanding networks and building up opportunities for future cooperation. I look forward to listening to the insights of the experienced and knowledgeable speakers and discussants for the next two days. Once again, I would like to welcome everyone and hope that you find the conference productive and your stay in Jeju enjoyable.

Dr. Yeadong Kim
President, Korea Polar Research Institute
(KOPRI)

COMMITTEES

International Honorary Committee

Pinxian Wang (Tongji University)
Asahiko Taira (JAMSTEC)
Yong Ahn Park (The CLCS/UN)

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Gi-Hoon Hong (KIOST)

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Dae Kyo Cheong (Kangwon National University)
Tongsup Lee (Pusan National University)
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Jang-Jun Bahk (KIGAM), Dong Geun Yoo (KIGAM)
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Sejin Park (Korea National Oil Corporation)
Kooksun Shin (Korea National Oil Corporation)
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Hyoun Soo Lim (Pusan National University)

Boo-Keun Khim (Pusan National University)

Kyung Sik Woo (Kangwon National University)

SUPPORTING MINISTRIES, ORGANIZATIONS AND SOCIETIES

Ministry of Science, ICT and Future Planning

Ministry of Oceans and Fisheries

Jeju Special Self-Governing Province

The Korean Society of Oceanography

The Geological Society of Korea

The Korean Society of Economic and Environmental
Geology

Hydrographic Society of Korea

Korea Institute of Geoscience and Mineral Resources

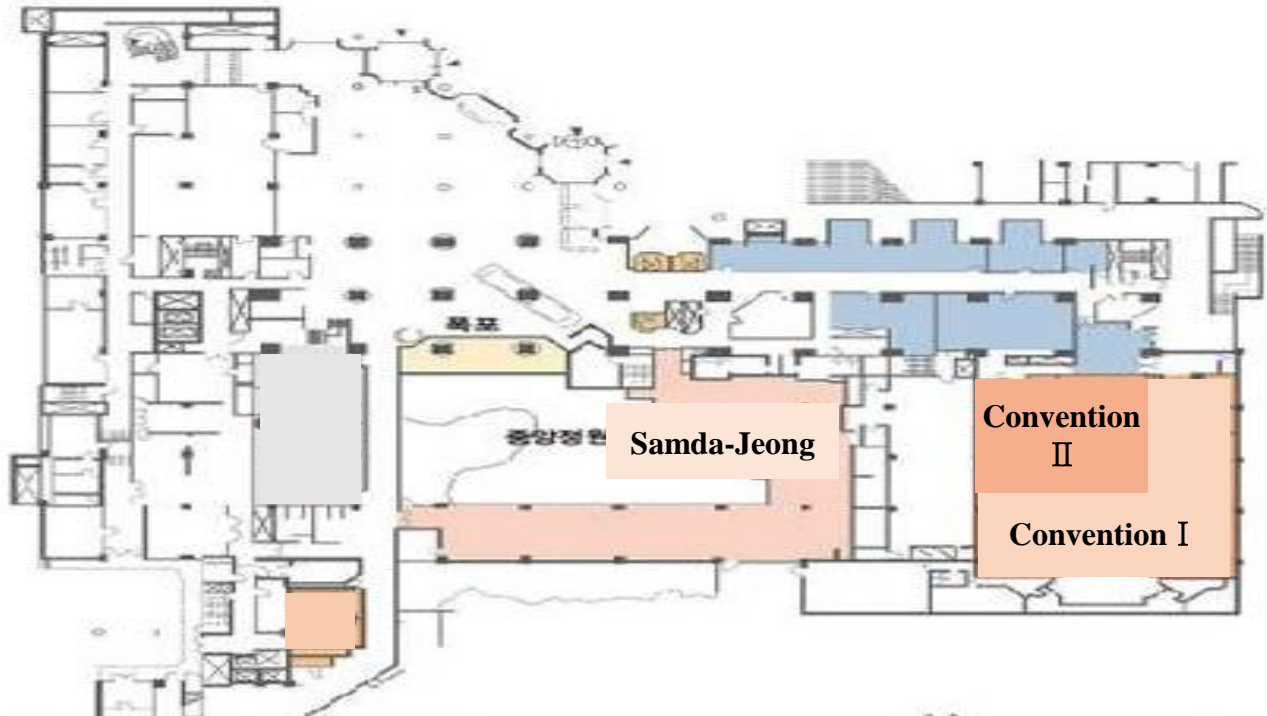
Korea Institute of Ocean Science and Technology

Korea Polar Research Institute

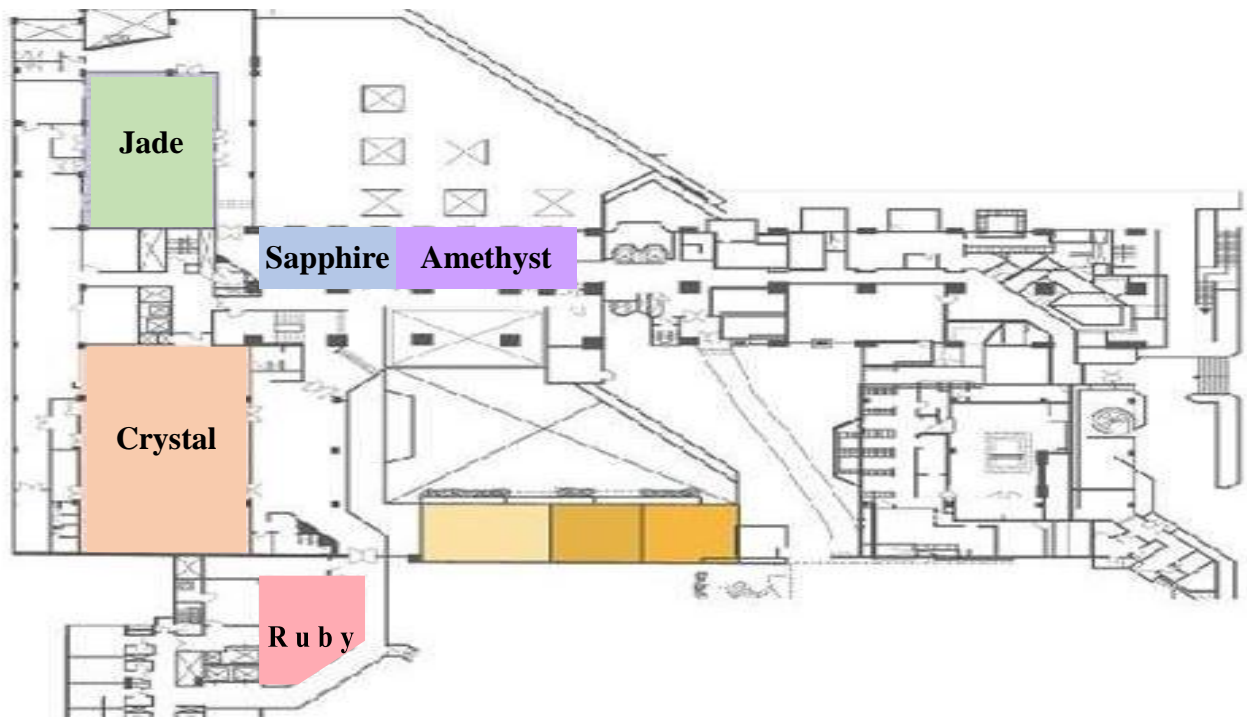
GENERAL INFORMATION

Venue (The name of the hotel has been changed into 'Maison Glad')

1F



2F



Transportation

➤ Jeju International Airport

The Jeju International Airport is located in the north of Jeju Island, Republic of Korea. There are 13 domestic airliners and about 122 airplanes are in service in one day. As for international lines, there are 7 airliners including from the Narita Airport of Japan. On average 4 planes are in service a day. For more information please visit the website, <http://www.airport.co.kr/jejueng/index.do>.

➤ Hotel shuttle service.

Hotel shuttle bus will be arranged at parking lot, C-10

Oct. 05 (Mon) Jeju International Airport ↓ Maison Glad Jeju	Oct. 08 (Thu) Maison Glad Jeju ↓ Jeju International Airport
09:00	09:00
10:30	10:00
12:00	11:00
13:30	12:00



➤ Other Transportation to the Venue

Local Taxi

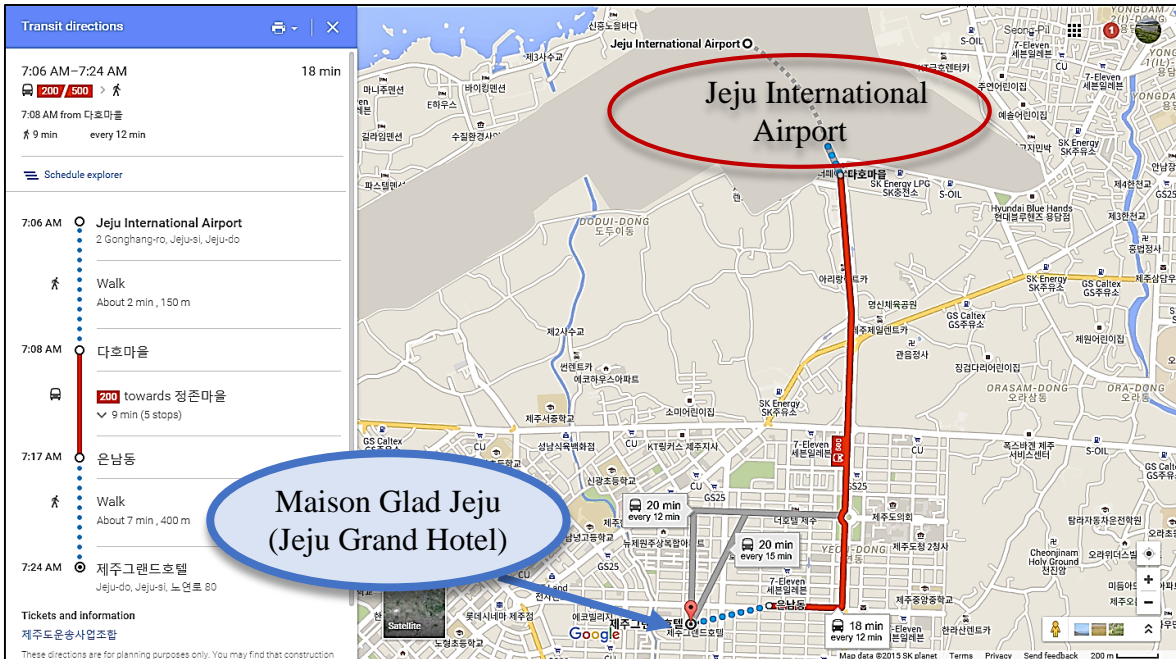
The distance from the Jeju International Airport to the Maison Glad Jeju (the venue, former Jeju Grand Hotel) is approximately 3.5 km. It is strongly recommended to take a local taxi as the distance is not far. Getting out through the gates at the airport (Gate 4 or 5) you could see a line of the short distance taxis waiting for customers across the road. Take your turn to catch and get on one and then tell the driver ‘Maison Glad Jeju’. It would be better to say ‘Jeju Grand Hotel’ as the former name of the hotel is still familiar to the driver. The fare is approximately 4,000 Korean won (less than 5 USD) and it will take about 15 minutes to the venue. If you need any help, please find the information desk or the staffs near the ICAMG-8 banner.

Jeju International Airport Taxi fare is ca. 4,000 KRW.
It will take 15 min.

Maison Glad Jeju (Jeju Grand Hotel),
Yeon-dong, Jeju-si, Jeju-do, Korea

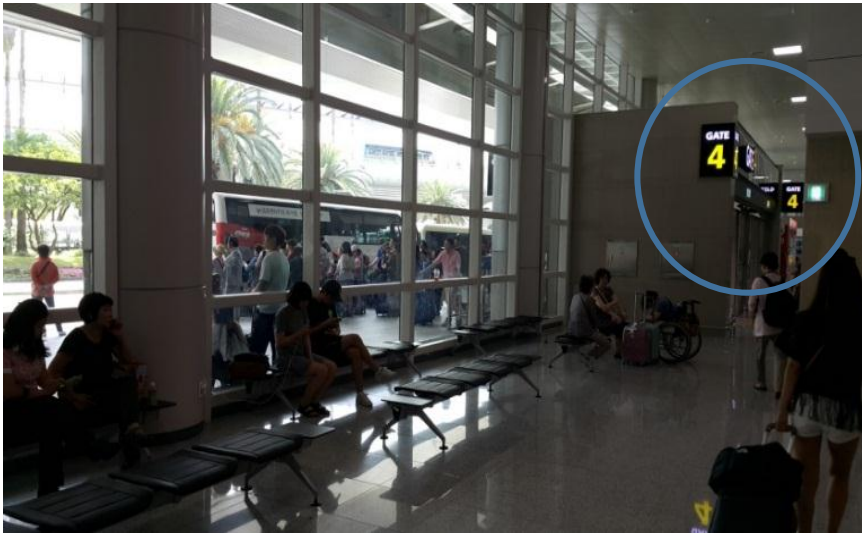


Though not much recommendable, there is a local public bus from the airport to the venue. The available bus numbers are 70, 200, 500 etc. It will take about 20 to 25 minutes including several-minute walking. The fare is less than 1 USD but you have to pay in cash. Please exchange some Korean currency and prepare two 1,000 KRW notes before taking the bus. There is a limit of running time. Mostly it is from 6 am to 10 pm. If you need any help at the airport, please find the information desk or the staffs near the ICAMG-8 banner.



ICAMG-8 Shuttle Bus Service (Oct. 04(Sun))

A Shuttle bus to the venue will be arranged on the 4th of October only. It leaves the airport at every hours from 10:00 to 18:00. The ICAMG-8 staffs will wait for the participants at the Gate 4 (see the circle in the photo below) inside the airport. Please find the staff wearing a ICAMG-8 jacket or the banner (shown in the left). The bus will stop at the venue (Maison Glad; former Jeju Grand Hotel), New Island Hotel, Hotel New Crown, Jeju Pearl Hotel, and Hotel Milano Crown.



Transit Travelers arriving at the other airports in Seoul

Participants from China and Japan can reach to the Jeju Island directly. Most of the participants from the other areas in the southeastern or western Asian countries would arrive in Korea through the Incheon International Airport (ICN). In this case it is common for the travelers to make transit to the domestic flights at the Gimpo International Airport (GMP) which is approximately 21 miles away from the ICN. Please carefully read the following information on the airport transit.

Major Airports in Seoul

Incheon International Airport

(<http://www.cyberairport.kr/pa/en/a/index.jsp>)

The Incheon International Airport (ICN) is located ca. 43 miles west of Seoul. Nearly all international flights to Seoul land at the Incheon International Airport, west of the city. a sauna, an optician, and a small mall. It also has two The airport is well signposted and caters to your traveler needs, and includes tourist information offices and Global ATMs.

The A'REX train offers Express services (53 min - train comes every 30 minutes) and Commuter services (53 min every 12 minutes or so) into Seoul. For more details, see the K4E [Airport Trains](#) page linked.

Gimpo International Airport

(<http://www.airport.co.kr/gimpoeng/index.do>)

The Gimpo International Airport (GMP) is located ca. 11 miles of west of Seoul. The more centrally located but older Gimpo Airport caters only to the shuttle service to Tokyo and domestic flights within South Korea. Gimpo Airport is easily reached on subway Line 5 (KRW1,100 and 50 minutes to downtown), and you can transfer to/from Incheon Airport with the A'REX rail link.

Transit from the Incheon International Airport (ICN) to the Gimpo International Airport (GMP)

The distance between the ICN and GMP is ca. 21 miles (You cannot walk!). There are several ways (train, bus and taxi) to get to the other airport. However it is strongly recommended to take the train, A'REX. Although the transportation is well arranged, the train will be the best way for you to keep the transit schedule on time. And also you cannot get lost in a strange place. If you need further help, please go to the airport information or transit information desks.

A'REX Train

The A'REX train provides transportation between the two airports. The travel time by *Express* is 25 minutes (the train comes every 30 minutes) and by *Commuter* is 40 minutes (train comes about every 12 minutes). Please use Korean currency.

Express Train

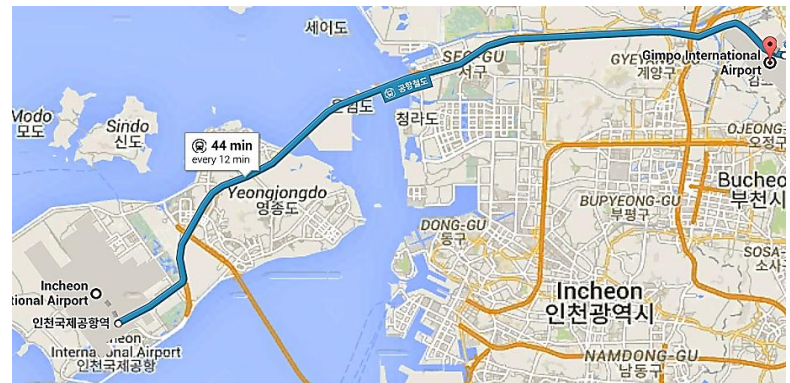
Cost: ca. 3 USD

Travel Time: 28 mins, train comes every 30 mins

Commuter Train

Cost: ca. 3 USD

Travel Time: 40 mins, train comes every 12 mins



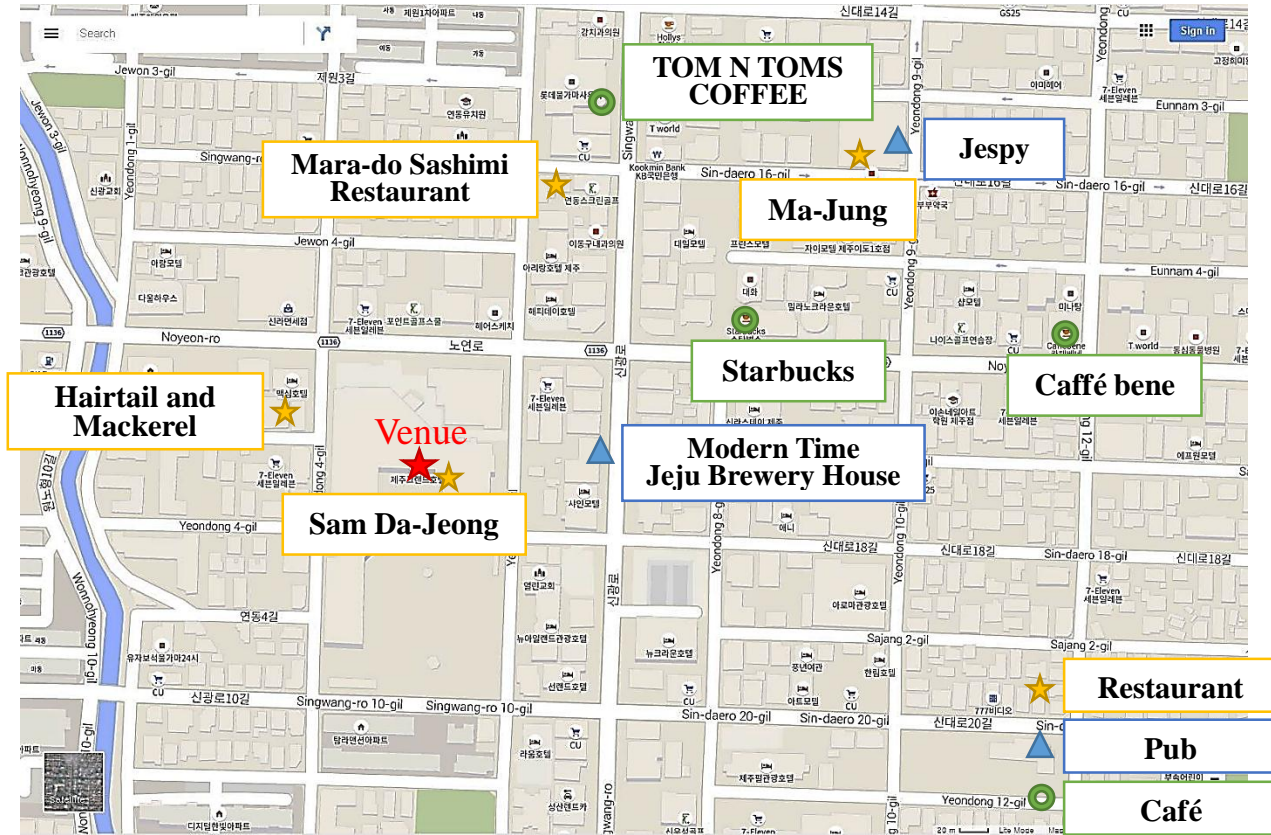
Accommodation



★ Venue: Maison Glad Jeju (Jeju Grand Hotel)

Hotel	Address	Telephone	Homepage
★ Maison Glad Jeju (Jeju Grand Hotel)	80, Noyeon-ro, Jeju-si, Jeju-do	064-747-5000	http://ora.oraresort.com/eng/GRD/
① Hotel New Crown	87, Singwang-ro, Jeju-si, Jeju-do	064-742-7466	http://www.hotelnewcrown.co.kr/
② Hotel Milano Crown	103, Noyeon-ro, Jeju-si, Jeju-do	064-746-7800	http://hotelmilanocrown.co.kr/
③ New Island Hotel	17, Yeondong 6-gil, Jeju-si, Jeju-do	064-712-1300	http://www.newisland.co.kr/
④ Jeju Pearl Hotel	49, Sindae-ro 20-gil, Jeju-si, Jeju-do	064-742-8871	http://pearlhotel.kr/

Restaurants



★ Farewell Dinner Restaurant (6:30 pm, Oct. 07)

Black Pork House
Heugdon-ga (흑돈가)



Address: 1509, Nohyeong-dong, Jeju-si, Jeju-do

Tel. 064-747-0088

It offers grilled black pork which is Jeju regional cuisine.

Approximate taxi fare is 3,000 KRW and will take 8 min.

★ **Ice Breaker Party**
(8:00 pm, Oct. 04)

Maewool-buljukkumi

매울불주꾸미



221, Yeonbuk-ro, Jeju-si, Jeju-do

Tel. 064-742-0110

They offer hot and spicy octopus with cheese fondue.

Mara-do Sashimi
Restaurant
(Mara-do hoesjib)
마라도 횃집

Address: 3, Singwang-ro 8-gil, Jeju-si, Jeju-do

Tel. 064-746-2286

It is located nearby Jeju Grand Hotel. It is famous for yellowtail dish. Also they handle sea bream, sawedged perch and other common sashimi.



Hairtail and Mackerel
(Galchi-wa godeung-eo)
갈치와 고등어

Address: 4, Yeondong-gil, Jeju-si, Jeju-do

Tel. 064-749-1212

Hard boiled hairtail and grilled mackerel are popular. In addition, they have various Jeju regional cuisine such as sea urchin soup and hairtail soup.



Sam Da-Jeong

삼다정

Address: 263, Yeon-dong, Jeju-si, Jeju-do

Tel. 064-710-8231

It's buffet restaurant which is operating within Jeju Grand Hotel.
Specialized chefs serve more than one hundred kinds of Korean dishes, Japanese dishes and variety of desserts.



Ma-jung

마중

Address: 44, Sindae-ro 16-gil, Jeju-si, Jeju-do

Tel. 070-4548-9288

The store is specialized in grilled skirt steak, which is part of pork.



Yurine

유리네

146, Yeonbuk-ro, Jeju-si, Jeju-do

Tel. 064-748-0890

Abalone stew in a hot and grilled mackerel are popular.



Sunjeongmuneo

순정문어






579, Seohaean-ro, Jeju-si, Jeju-do

Tel. 064-746-6656

It is located seashore.
Cooked octopus and fresh seafood are famous.



➤ Pub and Cafe

<p>Modern time Jeju Brewery House 모던 타임 제주 브루어리 하우스</p>	<p>Address: 263-6, Yeon-dong, Jeju-si, Jeju-do Tel. 064-748-4180</p> <p>The beer has rich flavor and aroma. It's made from barley grown on Jeju. You can drink directly in the Brewery.</p>	
<p>Jespy 제스피</p>	<p>Address: 44, Sindae-ro 16-gil, Jeju-si, Jeju-do Tel. 064-713-7744</p> <p>They're using only 100% malt from Jeju barley. The draft beer is made in the traditional way by hand made.</p>	
<p>Caffé bene 카페베네</p>	<p>Address: 119, Noyeon-ro, Jeju-si, Jeju-do Tel. 070-4117-6232</p>	
<p>Starbucks 스타벅스</p>	<p>Address: 99, Noyeon-ro, Jeju-si, Jeju-do Tel. 064-747-8472</p>	
<p>TOM N TOMS COFFEE 탐앤탐스 커피</p>	<p>Address: 52, Singwang-ro, Jeju-si, Jeju-do Tel. 064-748-1266</p>	

Tourist Attractions

Yongduam Rock

용두암

Yongduam has a shape of a dragon soaring toward the sky from the sea. It looks like a real wriggling dragon when you stare at it.



출처: 제주특별자치도 관광정보

Yongdam-ro, Jeju-si, Jeju-do

Samseoghyeol

삼성혈

The three progenitors of the Tamna Kingdom emerged from this source



출처: 제주특별자치도 관광정보

22 Samseong-ro, Jeju-si, Jeju-do

Gwandeokjeong

관덕정

As National Treasure #322, Gwandeokjeong is one of the most familiar places for Jeju residents. In 1448, under the rule of King Sejong of the Joseon Dynasty, Jeju Moksa Shin Suk-cheong built this place to train soldiers and boost their spirit.



출처: 제주특별자치도 관광정보

19 Gwandeok-ro, Jeju-si, Jeju-do

Jeju Folklore & Natural History Museum

제주 민속 자연사 박물관

Opened in May of 1984, this museum exhibits Jeju's own folk relics and natural history materials. The four exhibition rooms include: a natural history room, folk exhibition rooms No.1 and 2, and an outdoor exhibition space. The displays cover everything from the formation of Jeju Island to the ecology of its natural resources and its unique culture



출처: 제주특별자치도 관광정보

40 Samseong-ro, Jeju-si, Jeju-do

<http://museum.jeju.go.kr>

PROGRAM OVERVIEW

	Room						Room						Room																												
	Convention	Crystal	Jade	Amethyst I	Amethyst II	Ruby	Convention I	Convention II	Crystal	Jade	Amethyst I	Amethyst II	Ruby	Convention I	Convention II	Crystal	Jade	Amethyst I	Amethyst II	Ruby																					
8	60																																								
9	15					VIP room	Poster Setup	Ruediger Stein Keynote Speech 1 (Crystal Hall)						Burghard W. Flemming Keynote Speech 3 (Crystal Hall)																											
	30							Sangheon Yi Keynote Speech 2 (Crystal Hall)						Hodaka Kawahata Keynote Speech 4 (Crystal Hall)																											
	45	S-1	S-5	S-12	S-9			Coffee Break						Coffee Break																											
	60							S-14A	S-15	S-4	S-6	S-10	S-13	S-11	S-2	S-3	S-7	S-8	S-18																						
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12	15																																								
	30	Lunch	Lunch Break				Lunch Break/ International Committee Meeting						Lunch Break																												
13	45		Opening Ceremony (Crystal Hall)			VIP room	Poster Session							Poster Removal																											
	60		Group Photo																																						
14	15		Pinxian Wang Plenary Speech 1 (Crystal Hall)																																						
	30		Han-Joon Kim Plenary Speech 2 (Crystal Hall)																																						
	45		Coffee Break																																						
15	15		Kiyoshi Suyehiro Plenary Speech 3 (Crystal Hall)																																						
	30		Coffee Break																																						
	45		Kyung-Sik Woo Plenary Speech 3 (Crystal Hall)																																						
16	15		Coffee Break																																						
	30		Coffee Break																																						
	45		Coffee Break																																						
17	15		S-14B																																						
	30	Welcome Dinner Preparation	S-1	S-5	S-14A																																				
	45		S-14B																																						
	60		S-14B																																						
												Closing Ceremony (Crystal Hall)																													

PLENARY & KEYNOTE SPEECHES

Global monsoon in marine records

14:15-14:45, Oct. 5th, 2015

Prof. Pinxian Wang (Department of Marine Geology & Geophysics, Tongji University)



Prof. Pinxian Wang graduated from the Moscow University and was an Alexander von Humboldt Fellow in Kiel, Germany. He is now a professor at the Tongji University, working on paleoceanography and paleo-monsoon in the South China Sea and beyond. He was a co-chief scientist of the first ocean drilling cruise to the South China Sea, and currently leads a major research program “The South China Sea Deep” founded by the Chinese NSF. He was Vice-President of SCOR, Deputy-Chair of PAGES SciCom, and led three international working groups on paleo-monsoons and on paleogeography. Prof. Wang is a member of the Chinese Academy of Sciences, Honorary Fellow of the Geological Society, London, AAAS Fellow, and was awarded the Milankovitch Medal and the Asian Marine Geology Award. He is the author of numerous publications, including “The South China Sea: Paleoceanography and Sedimentology” (2009, Springer) and “Geology of the China Seas” (2014, Elsevier).

Tectonic evolution of the Korean margin and the opening of the East Sea (Japan Sea)

14:45-15:15, Oct. 5th, 2015

Dr. Han-Joon Kim (Korean Seas Geosystem Research Center, Korea Institute of Ocean Science and Technology)



Han-Joon Kim received M.Eng. and Ph.D. in applied Geophysics from Seoul National University. He has been working with the Korea Institute of Ocean Science and Technology (KIOST) since 1984. His research interests include seismic data processing and interpretation. He worked on a number of marine seismic research projects. He participated in the Korea-Russia and Korea-Russia-Japan collaborative deep seismic sounding experiments in the East Sea (Japan Sea) in 1991 and 1998, respectively, to collect ocean bottom seismometer data. His current research projects are seismic imaging of the seafloor, investigation of Quaternary faults, and monitoring of a carbon capture and storage site. He is also involved in the planning of deep seismic sounding to investigate the crustal structure of the Yellow Sea under the collaboration of Korea and China.

Expanding marine seismology and connecting to all geosciences

15:30-16:00, Oct. 5th, 2015

Dr. Kiyoshi Suyehiro (Laboratory of Ocean-Earth Life Evolution Research, JAMSTEC)



Dr. Kiyoshi Suyehiro is a principal scientist at JAMSTEC since 2014. After receiving M.Sc. and D.Sc. degrees in geophysics from the University of Tokyo, he worked in the field of marine seismology at Tohoku University (1980—1984), Chiba University (84-88), Ocean Research Institute, University of Tokyo (88-99). He then moved to JAMSTEC first at Deep Sea Research Department (99-2003) and later became Executive Director of Research (2003-09). He served as President and CEO of the IODP Management International, Inc. (2009-2014) to manage the Integrated Ocean Drilling Program (2003-2013). He has numerous publications in the international journals mainly in the field of marine seismology utilizing ocean bottom and borehole seismographs. His main scientific interests has been modeling the crust and upper mantle beneath the oceans through field observations to understand their heterogeneity in terms of geodynamics, particularly plate subduction in relation to earthquakes. He currently holds adjunct professorship with the Tokyo University of Marine Science and Technology and Kobe University and is a Visiting Investigator at Carnegie Institution of Washington.

Carbonates and world heritage values of Jeju

16:00-16:30, Oct. 5th, 2015

Prof. Dr. Kyung-Sik Woo (Department of Geology, Kangwon National University)

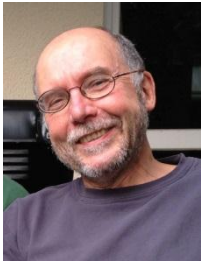


Dr. Kyung-Sik Woo has been a professor at the Department of Geology, Kangwon National University since 1986. He received a M.Sc. degree in marine geology at Texas A&M University, and a Ph.D. degree in geology at University of Illinois at Urbana-Champaign. He has been working on carbonate sedimentology, paleoceanography, paleoclimatology, cave geology and geo-heritage. He is now the president of International Union of Speleology, the chair of the Geoheritage Specialist Group in World Commission on Protected Areas (WCPA), International Union for Conservation of Nature (IUCN). He has carried scientific researches on carbonates in Jeju during the past 20 years and published numerous scientific papers and books including an article in Nature (2014). He also devoted himself to write nomination dossiers for World Natural Heritage (Volcanic Landforms and Lava Tubes) and Global Geopark for Jeju Island.

Exploring the Arctic Ocean climate history - A challenge within the International Ocean Discovery Program (IODP)

08:45-09:30, Oct. 6th, 2015

Prof. Dr. Ruediger Stein (Alfred Wegener Institute)



Prof. Dr. Ruediger Stein, born in 1954, is a senior research scientist at the Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research at Bremerhaven, Germany, and has a professorship for Arctic Paleoceanography at the Faculty of Geosciences, Bremen University, Germany. After completion of his PhD thesis at the Geology Department at Kiel University in 1984, he obtained a research position at the Institute for Petroleum and Organic Geochemistry at the KFA Jülich. From 1986 to 1990, he was assistant professor at the Institute for Geosciences and Lithosphere Research, Giessen University. In 1991, he moved to the Alfred Wegener Institute where his main research interest concentrates on the reconstruction of paleoenvironment of the Arctic Ocean and adjacent

Eurasian continental margin and the North Atlantic, with special emphasis on the long- and short-term history of Arctic sea ice and circum-Arctic ice sheets. Main expertise is sedimentology, organic geochemistry and paleoceanography. R. Stein's work has been published in over 190 peer-reviewed papers. During his stays at Kiel, Jülich, Giessen, and Bremerhaven he has been and still is strongly involved in research projects of the Deep Sea Drilling Project/Ocean Drilling Program/Integrated Ocean Drilling Program (DSDP/ODP/IODP). R. Stein has participated in seven DSDP/ODP/IODP cruises in the Arctic, Atlantic, and Pacific Oceans. He is the lead proponent of a new proposal for future Arctic Ocean drilling within IODP, that has been accepted and scheduled for drilling in 2018.

Palynological implication for Holocene depositional environmental changes in west coast of the Korean Peninsula

09:30-10:15, Oct. 6th, 2015

Dr. Sangheon Yi (Quaternary Geology Department, Korea Institute of Geoscience and Mineral Resources)



Dr. Sangheon Yi studied marine geology and marine micropaleontology for his BSc. and MSc. at the Chungnam National University, Korea. His master thesis was to analyze systematic marine dinocysts to make paleoceanographic reconstruction of the Pohang Basin during the Neogene. He continued his study on Late Cretaceous and Cenozoic terrestrial palynofloras from the Yellow Sea Basin, Korea, and received Ph.D. at the University of Sheffield (UK) in 1996. He has been involved in many projects dealing with Quaternary palynological works on both terrestrial and marine sediments. His works mainly focus on vegetation dynamics response to climate changes in/around Korean Peninsula and East Asia region over the past 30,000 years. From his palynological data set, he is also interested in coastal environmental changes caused by sea level fluctuation since the last glacial maximum (LGM). He published papers more than 50 international journals and 60 domestic ones. He took a leader of the Quaternary Geology Department in KIGAM and now is also Professor of Korea University of Science and Technology (UST). He served as editor in chief of Journal of Paleontological Society of Korea, and is being as guest editor in Quaternary International which published in "Quaternary studies in Korea" and "Holocene vegetation dynamics and human impact in East Asia".

Textural characteristics and transport behavior of mixed siliciclastic-bioclastic sediments in tidal environments

08:45-09:30, October 7th, 2015

Prof. Burghard W. Flemming (former Head of the Senckenberg Marine Research Station)



Prof. Dr. Burghard W. Flemming, born in 1944, began his academic education at the University of Kiel (Germany) where he graduated in 1972 (MSc equivalent), majoring in marine geology and sedimentology. While in Kiel, he qualified himself as a scientific diver, his master's thesis having essentially been an underwater project on wave abrasion and deposition in the western Baltic Sea. Early in 1973, a foreign student exchange scholarship took him to the University of Cape Town (South Africa) where he engaged in a PhD project on depositional processes in Saldanha Bay and Langebaan Lagoon located along the west coast of South Africa. He was awarded his PhD degree in 1977. Already in 1975 he had become a member of the newly created National Research Institute for Oceanology (CSIR) where he assisted in building up a marine geoscience division, which he took over as Divisional Head in 1980. During this time his research focused on regional current-generated bed forms and sediment dispersal along the southeast African continental margin driven by the Agulhas Current. In October 1984, he followed in the footsteps of Hans-Erich Reineck as Head of the Senckenberg Marine Research Station in Wilhelmshaven (Germany), being mainly engaged in the investigation of tidal depositional processes. At the same time he gave undergraduate courses in sedimentology at the University of Bremen, Germany, being honored for his teaching engagement with an extramural professorship in 1998. He retired in 2009 at the age of 65, having to date published over 180 papers in scientific journals and books.

Ocean acidification in response to the increase of atmospheric carbon dioxide concentration – in future and in the past

09:30-10:15, October 7th, 2015

Prof. Hodaka Kawahata (Department of Ocean Floor Geoscience, University of Tokyo)



Prof. Hodaka Kawahata has been a professor at Atmosphere and Ocean Research Institute, The University of Tokyo, Japan, since 2004. He received a B.S. and M.S. in Department of Chemistry, The University of Tokyo, and a Ph.D. degree in Department of Geology at the same University. He had been working on hydrothermal activity and the associated ore deposits along mid-ocean ridges in 1980's. He changed the research topics to environmental studies in 1990, including global carbon cycle at modern state and in the past. The studies include carbonate precipitation/dissolution, paleoceanography and paleoclimatology by using sedimentary cores and corals. Also he is now culturing corals, foraminifers and bivalves under precisely monitored and controlled water condition. He has been publishing more than 200 papers in first grade of international journals and got prizes from academic societies. He has also contributed to the geoscience communities as the presidents of both The Geochemical Society of Japan and the Paleo Society and as the vice-president of Japan Geoscience Union (JPGU).

SCHEDULE OF PRESENTATIONS

Guideline for Presenters

Oral Presenters

- The time for all the presentations is limited to 15 min. including 3-min. discussion.
- If you want to use your own laptop, please make sure that you connect it correctly to the projector using the connection cable provided. The staff can help you to make proper connection on your request. Please check the connection and screen display as early as possible. The coffee break will be the best time for that.
- If you do not use your own laptop, take a removable drive (e.g. USB flash drive) with your presentation file contained. Please transfer the file into the PC in the session room before your session started. All the other files linked to the presentation file must be uploaded into the same folder.
- Please scan your presentation material to avoid any virus contamination.

Poster Presenters

- The size of the poster is limited within 180 cm tall and 100 cm wide.
- The location of the poster presentation is the 'Convention I' Please find the number attached on the poster board for putting on your poster.
- The display time is from 13:30 to 15:30. The poster will be removed after the poster session.

Oral Presentations

Oct. 05 Monday

Room	Session	TIME	ID	Authors and Title
Crystal	SO1 - Paleocceanography & Paleoclimatology - General	09:00~09:15	S01-R01	Keyu Zhu, Lidong Zhu Grain-size characteristics and their environmental climatic significance of Zarinanmucuo lake sediments in Cuoqin Basin, Tibet
		09:15~09:30	S01-R02	Enqing Huang, Jun Tian, Peijun Qiao, Sui Wan, Xin Xie, Wenguang Yang Early interglacial carbonate-dilution events in the South China Sea: Implication for strengthened typhoon activities over subtropical East Asia
		09:30~09:45	S01-R03	Shengfa Liu, Peng Cao, Xuefa Shi, Somkiat Khokiattiwong, Narumol Kornkanitnan Provenance and paleoclimate record in the northeastern Indian Ocean since the last glacial period
		09:45~10:00	S01-R04	Li Li, Qianyu Li, Jianru Li, Pinxian Wang Low latitude hydro-climatic changes inferred from alkane records in South China Sea
		10:00~10:15	S01-R06	Bin Zhou, Michael Bird, Hongbo Zheng, Enlou Zhang, Christopher M. Wuster, Luhua Xie, David Taylor New marine evidence helps constrain the historical biogeography of C4 biomass in East Asia over the last ca. 20 million years
		10:45~11:00	S01-R07	Si Woong Bae, Kyung Eun Lee, Kahee Kim Applicability of method for reconstructing dissolved CO ₂ concentrations in the East Sea using the carbon isotopic composition of alkenones

SO1 - Paleooceanography & Paleoclimatology
 - General

11:00~11:15	S01-R08	Rong Xiang, Jianguo Liu, Dongxiao Wang, Muhong Chen, Chen Han, Zhong Chen, Wen Yan, Shilin Tang Seasonal flux variability of planktonic foraminifera in a sediment trap from Xisha Trough, South China Sea
11:15~11:30	S01-R09	S.A. Gorbarenko, Y.V. Rybiakova, A. A. Bosin, X. Shi, Y. Liu, J. Zou Dark/light layers sequences in the northern and central Japan Sea and their linkages with abrupt climate and sea level changes: lithological, geochemical and pollen evidences.
11:30~11:45	S01-R10	Sangmin Hyun, Jin-Kyung kim, Hai-Soo Yoo, Song-Yi Kim, Bareum Song Lithostratigraphy and geochemical evidences for paleoceanographic changes in core sediment from the Korea Plateau of the East Sea (Japan Sea), Korea over the last 400 kyr
11:45~12:00	S01-R11	Antonina Artemova, Sergey Gorbarenko, Yuriy Vasilenko, Xuefa Shi, Yanguang Liu Paleoceanography changes in the Okhotsk Sea during Late Pleistocene and Holocene according to diatoms
16:45~17:00	S01-R12	Inah Seo, Yong Il Lee, Kiseong Hyeong, Chan Min Yoo, Hyung Jeek Kim Provenance of mineral dust delivered to the Northwest Pacific and its implication for the transport mechanism of Asian dust: Isotopic and Clay Mineralogical Evidence
17:00~17:15	S01-R13	Kana Nagashima, Yoshiaki Suzuki, Yukari Hara, Masayuki Takigawa, Tomohisa Irino, Kazuyoshi Yamada, Ryuji Tada, Takeshi Nakagawa Asian dust depositional flux changes during the last 100 years recorded in Lake Suigetsu sediment, Japan
17:15~17:30	S01-R14	Ji-young Shin, Wonnyon Kim, Kiseong Hyeong Rock-magnetic properties of deep-sea sediments from the Shatsky Rise: anomalous sedimentary environments during MIS 6 and 8
17:30~17:45	S01-R15	Xufeng Zheng, Anchun Li, Shiming Wan, Shuhji Kao ITCZ and ENSO-like pacing on the East Asian winter monsoon: sedimentological evidence from the Okinawa Trough

**S05 - Sediment Dynamics and Sedimentation Processes
in East Marginal Seas**

09:00~09:15	S05-R01	Paul Liu Fates of river-derived sediments to the East Asian marginal seas: large vs. small rivers
09:15~09:30	S05-R02	Guan-hong Lee, Kiryong Kang Wave-driven sediment suspension during slack in the tidal channel of Gangwha tidal flat, Korea
09:30~09:45	S05-R03	H.K. Ha, J.W. Kim, S.B. Woo Anthropogenic impacts on suspended sediment dynamics near the tidal power plant
09:45~10:00	S05-R04	Young Taeg Kim, Guan-hong Lee, Hyun-Jung Shin, Soongji Lee, Kukjin Kim, Tim Dellapenna, Josh Williams, Ho Kyung Ha, Jae Il Kwon Estimation of siltation rate in the Incheon North Harbour, Korea
10:00~10:15	S05-R05	Chaoqi Zhu, Yonggang Jia Influence of waves and currents on sediment erosion and resuspension: An analysis based on in-situ observation
10:15~10:30	S05-R06	Lei Zhu, Qing He, Jian Shen A Modelling Study of Seasonal Variation of Suspended Sediment Transport in the Changjiang Estuary
10:45~11:00	S05-R07	Nie Hong-tao, Yuan De-kui, Tao Jian-hua The Sediment Transport in Western Bohai Bay Under the Influence of Coastal Reclamation
11:00~11:15	S05-R08	Dai Zhang, Qing He, Yu Chen The Suspended Sediment Flux and Source-Sink Transition of Turbidity Maximum in Changjiang Estuary

S05 - Sediment Dynamics and Sedimentation Processes
in East Marginal Seas

11:15~11:30	S05-R09	Jingping Xu, Jianru Li, Yanwei Zhang, Yulong Zhao, Zhifei Liu, Joanne Ferreira, George Tate <i>In-situ</i> observations of bottom boundary layer in abyssal South China Sea
11:30~11:45	S05-R10	Xinong Xie, Kainan Mao, Hesheng Shi, Hui Chen, Nanyan Cao Architecture and Depositional Model of Deepwater Sediment Dispersal System from Pearl River Delta to Submarine Fan, northern South China Sea
11:45~12:00	S05-R11	D.Y. Lee, H.J. Gao, X.J. Liu, B.C. Liang Establishment of basic data bases for the efficient simulation of the morphology change along the coast of the South China Sea
16:45~17:00	S05-R12	J.Y. Seo, H.K. Ha, J.H. Hwang, J.H. Im, S.J. Park, N.I. Won Impact of the sediment dredging on the spatial and temporal variation of turbidity plumes
17:00~17:15	S05-R13	Shaotong Zhang, Xiaolei Liu, Yonggang Jia Mechanism of submarine sediment re-suspension considering seabed dynamics
17:15~17:30	S05-R14	Jeseon Yoo, Kideok Do, Jae-Youll Jin, Hee Jun Lee Numerical simulation of morphodynamics in an embayed beach, Haeundae, in Korea
17:30~17:45	S05-R15	Zhenhao Wang, Yonggang Jia, Shaotong Zhang, Lin Zhang, Xiaolei Liu, Hongxian Shan The experimental study on wave induced pore pressure response and intensity evolution of silty seabed
17:45~18:00	S05-R16	Zhang Jiangyong, Zhou Yang, Chen Fang, Gao Hongfang, Zhang Xin Distribution of carbonate content and the abundances of major carbonate components in surface sediment from northern slope to the abyssal plain in the South China Sea: implication for carbonate dissolution and deep-sea sediment process

S12 - Tectonics, Volcanology & Basin Analysis

09:00~09:15	S12-R01	Changyeol Lee Temporal plume-plate and plume-slab interactions explain tectonic history of East Asia during Cretaceous
09:15~09:30	S12-R02	G.B. Kim, S.H. Yoon An insight into asymmetric development of back-arc basin based on tecto-magmatic evidences from the Ulleung Basin, East Sea (Sea of Japan)
09:30~09:45	S12-R03	Changyeol Lee Three-dimensional time-evolving plume-slab interaction for generation of Abukuma adakite, northeastern Japan
09:45~10:00	S12-R04	Xiangquan Li, Jianye Ren, Majie Fan, Xinong Xie, Yongchao Lu, Dianjun Tong Cenozoic tectonostratigraphic framework and evolution of the East China Sea Shelf Basin
10:00~10:15	S12-R05	Ya Xu, Tianyao Hao, Baimin Zhao, Song Huang Fault system of the South China Sea from gravity and magnetic anomalies
10:15~10:30	S12-R06	Jianke Fan, Shiguo Wu, George Spencec Tomographic evidence for a slab tear induced by fossil ridge subduction at Manila trench, South China Sea
10:45~11:00	S12-R07	Bo Wang, Yazhong Zhai, Hongsheng Liu, Linglin Zhong Paleozoic diachronous tectonic and paleogeographic evolution of marginal seas in the South Chinese Tianshan, SW Central Asia
11:00~11:15	S12-R08	Jianghong Deng, Xiaoyong Yang Associations of the Early Cretaceous arc volcanic rocks and adakitic rocks in the Cebu island, Cenral Philippines: Its tectonic implications

S12

11:15~11:30	S12-R09	Noor Cahyo D. Aryanto, E. Suparka, C.I Abdullah, H. Permana Petrology and geochemical evidence of magmatic rocks on Lemukutan arcipelago, West Kalimantan relation to tectonic environment
11:30~11:45	S12-R10	Huasheng Qi, Xiaoyong Yang Geochemical characteristics of Cenozoic magmatic rocks in Grasberg, West Papua, Indonesia: Its tectonic implications of the East China Sea Shelf Basin
11:45~12:00	S12-R11	Li Xuejie, Yao Yongjian, Wang Jun, Yang Chupeng Geological Features and Tectonic evolution in the Eastern Arctic

S09 - Oil and Gas in Marine Environment

09:00~09:15	S09-R01	Young J. Lee, B.K Son CCOP-KIGAM New Initiative Project on Unconventional Resources: Assessment of Shale resources in Asian Region
09:15~09:30	S09-R02	Sik Huh, In-Chang Ryu, Sejin Park Distribution of fault systems related to hydrocarbon exploration in the Ulleung Basin, East Sea (Japan Sea)
09:30~09:45	S09-R03	Youwei Wang, Xiongqi Pang The evidence of the marine algae dolomite of Sinian Dengying Formation in Sichuan Basin as the effective source rocks of the Anyue giant gas field and discussion on relevant items
09:45~10:00	S09-R04	Lu Yintao, Fan Guozhang, Lyu Fuliang, Xu Ning, Shi Buqing Early Middle Miocene Shallow Marine Petroleum Play in Mahakam Delata, Kutei Basin
10:00~10:15	S09-R05	Yong Seok Choi, Jae Heon Shim, Chang Lyeol Um Sequence stratigraphy and sedimentology of the Middle to Upper Miocene strata of the southwest Ulleung Basin in the East Sea, with implications for future exploration

S09 - Oil and Gas in Marine Environment

10:15~10:30	S09-R06	Jie Zhang Study on the Chalk Reservoir in Deep-water Area
10:45~11:00	S09-R07	Byeong-Kook Son, Mee-Sook Park Numerical Simulation of Petroleum Generation and Migration in the Tertiary Marine Basin, Offshore Southeastern Korea
11:00~11:15	S09-R08	Yunji Lee, Wansoo Kim, Inyoung Choi, Nayoung Yeom, Yongjoon Park Basin Evolution of Precaspian Basin and its impact on Petroleum System
11:15~11:30	S09-R09	Yuri Lee, Sukyeon Hwang Technical Evaluation Process of Unconventional Resource for Marine Organic-rich shales
11:30~11:45	S09-R10	Kooksun Shin, Youngrak Choi, Jino Park, Suk-Joo Choh Geological characteristics of the bituminous Grosmont carbonates, Western Canada Sedimentary Basin, Alberta

**S14A - IODP A: Scientific Results
from IODP Drilling and
Future Scientific Drilling Proposal**

16:45~17:00	S14A-R01	Jinwook Kim, Kiho Yang, Toshihiro Kogure, Hionsuck Baik, Bryce Hoppie, Robert Harris, IODP expedition 329 scientists Smectite, Illite, and Early Diagenesis in South Pacific Gyre Seafloor Sediment
17:00~17:15	S14A-R02	Jun Tian, Wentao Ma, Mitchell W. Lyle, Julia K. Shackford Synchronous mid-Miocene upper and deep oceanic 13C changes in the east equatorial Pacific linked to ocean cooling and ice sheet expansion
17:15~17:30	S14A-R03	Yire Choi, Kyeong Ja Kim Preliminary investigation of the Asian Monsoons using authigenic beryllium isotopes from sedimentary cores of the Expedition 346 Site U1430
17:30~17:45	S14A-R04	Sueng Won Jeong, J.J. Bahk, S.P. Kim, G.Y. Kim, S.H. Lee, R. Urgeles Grain size distribution and salinity content influencing geotechnical and rheological characteristics in submarine mass movements
17:45~18:00	S14A-R05	Joo Yong Lee, Gil Young Kim, Changho Lee, and Jong-Sub Lee Physical Parameters of Sediments from the Continental Margin off Costa Rica

Oct. 06 Tuesday

Room	Session	TIME	ID	Authors and Title
Convention II	S14A - IODP A: Scientific Results from IODP Drilling and Future Scientific Drilling Proposal	10:30~10:45	S14A-R06	Shin'ichi, Kuramoto D/V Chikyu 10 years operation achievements and the beyond
		10:45~11:00	S14A-R07	Yasuhiro Yamada, Moe Kyu Thu Challenges of Ocean Driling Science of Chikyu
		11:00~11:15	S14A-R08	Kyaw Moe, Yasuhiro Yamada Importance of Data Integration in the Scientific Ocean Drilling
		11:15~11:30	S14A-R09	Insun Song A stochastic process of sonic velocity and breakout width logging data for in situ stress estimation at IODP Hole C0002A, Nankai accretionary prism
		11:30~11:45	S14A-R10	Meinan Shi, Huaichun Wu, Shihong Zhang, Xixi Zhao, Haiyan Li, Xin Su, Tianshui Yang, Hongqiang Wang, Jichuang Fang Magnetic properties of sediments from Kumano Basin, Nanikai Trough and their implications for the forearc basin evolution history
		11:45~12:00	S14A-R11	Ken Ikehara, Kazuko Usami, Toshiya Kanamatsu, Michael Strasser Japan Trench Paleoseismology: Turbidite paleoseismology along the Japan Trench

**S14B - IODP B: Scientific Drilling in the South China Sea to Unravel
Continental Breakup and Seafloor Spreading Processes**

15:15~15:30	S14B-R01	Jian Lin, Chun-Feng Li, Pinxian Wang, Denise K. Kulhanek, Expedition 349 Scientists Recent multidisciplinary research and 2014 IODP drilling in the South China Sea
15:30~15:45	S14B-R02	Fan Zhang, Jian Lin, Tingting Wang, Jian Zhu Asymmetry in crustal structure of the South China Sea and implications on geodynamic evolution of marginal sea basins
15:45~16:00	S14B-R04	Tao Jiang, Jingke He, Sulin Tang, Expedition 349 Scientists Detrital zircon U-Pb ages of gravity flow deposits in central subbasin of the South China Sea and their constrains on the tectonic activities
16:00~16:15	S14B-R05	Jose Dominick S. Guballa, Alyssa M. Peleo-Alampay Preliminary Report on the Microfossil Biostratigraphy and Coccolith Flux of Late Pleistocene to Holocene deep-sea sediments from Core U1431D, IODP Expedition 349, Eastern South China Sea
16:15~16:30	S14B-R06	Maria Luisa Tejada, Anthony A. P. Koppers, Xiaolong Huang, Guoliang Zhang, Expedition 349 Scientists Petrology and geochemistry of South China Sea crust, IODP Expedition 349
16:45~17:00	S14B-R07	Zhen Sun, Hans Christian, Chunfeng li, Jian Lin, Pinxian Wang Lithosphere Thinning During Continental Breakup: A proposal submitted to IODP for Drilling at the South China Sea Rifted Margin
17:00~17:15	S14B-R08	Chun-Feng Li Drilling the conjugate South China Sea continental margins

S15 - General Marine Geology

10:30~10:45	S15-R01	Kris Budiono, Godwin Latuputi, Nine, dan Undang Characteristic and Sediments Distributions of Seafloor Surrounding Subi Island, Natuna, Riau Province, South China Sea, Indonesia
10:45~11:00	S15-R02	Muhammad Jawad Munawar, Chengyan Lin, Dong Chunmei, Cunfei Ma, Muhammad Aleem Zahid Depositional and Sedimentological Features of Lacustrine Turbidite System in the Third Member (Es3) of Shahejie Formation, Dongying Sag, China
11:00~11:15	S15-R03	Deniz Cukur, Sebastian Krastel, M. Namik Cagatay, Emre Damci, Aysegul Feray Meydan, Seong-Pil Kim, Senay Horozal Evidence of extensive carbonate mounds and sublacustrine channels in shallow waters of Lake Van, eastern Turkey, based on high-resolution chirp subbottom profiler and multibeam
11:15~11:30	S15-R04	Jaan Ruy Conrad P. Nogot, Alyssa M. Peleo-Alampay and Joselito P. Duyanen Sedimentology of a Neogene Mass Transport Deposit in Ilocos Trough Southern Sub-basin
11:30~11:45	S15-R05	Kyaw Moe, Win Khaing Moe Establishing Marine Geoscience Institute in Myanmar

**S01 - Paleocceanography & Paleoclimatology
- General**

15:15~15:30	S01-R16	Haowen Dang, Zhimin Jian, Liming Ye, Weijia Fan, Zhihui Chu, Chao Zhou, Peijun Qiao Variations in the sea surface and thermocline water temperatures over the Indo-Pacific Warm Pool during Glacial-Interglacial transitions
15:30~15:45	S01-R17	Zhimin Jian, Haowen Dang, Tingting Wang, Xingxing Wang, Catherine Kissel Precessional Forcing on the Sea-Air CO ₂ Exchange in the Western Tropical Pacific over the Last Glacial Cycle
15:45~16:00	S01-R18	Adegoke Olugboyega Badejo, Inah Seo, Kiseong Hyeong, Se-Jong Ju Reconstruction of paleoproductivity in the central equatorial Pacific Ocean during the mid-Pleistocene transition using lipid biomarker approach
16:00~16:15	S01-R19	Chuanlian Liu, Xiang Su, Luc Beaufort, Nicolas Barbarin, Zhimin Jian Differences in Late Quaternary primary productivity between the western tropical Pacific and the South China Sea: evidence from coccoliths
16:15~16:30	S01-R20	Kimoto, K., Harunaga, M., Nakamura Y., Kurasawa A. Biserial planktic foraminifers <i>Streptochilus</i> : A proxy for paleo-productivity?

**S01 - Paleocceanography & Paleoclimatology
- General**

16:45~17:00	S01-R21	Aleksandr A Bosin, Min-Te Chen, Mariya S Obrezkova, Sergey A Gorbarenko, yuriy vasilenko, Jianjun Zou, Yanguan Liu, Mikhail I Malakhov The surface water environment changes in the western Bering Sea during the last glaciation-deglaciation-Holocene
17:00~17:15	S01-R22	Yirou Vasilenko, Sergey Gorbarenko, Xuefa Shi, Jianjun Zou, Yanguang Liu Millennial regime variability of sea ice condition in the Sea of Okhotsk during Last Glaciation (during 75-11.7 kyr)
17:15~17:30	S01-R23	S. Kim, B.K. Khim, K. Ikehara, T. Itaki, A. Shibahara, M. Yamamoto Millennial-scale changes of surface and bottom water conditions in the Northwest Pacific during the last deglaciation
17:30~17:45	S01-R24	Xiaolin Ma, Jun Tian, Jimin Yu, Ke Li, Howie D. Scher Deep Pacific Ocean circulation and carbonate chemistry linked to the Antarctic ice-sheet expansion
17:45~18:00	S01-R25	Fangcheng Xu Isolation of geomicrobiological relevant species from benthic samples

S04 - Delta, Coast and Estuary Systems

10:30~10:45	S04-R01	Hyun-Jung Shin, Guan-hong Lee, Kiryong Kang, Kyeong Park The Stratification and Circulation Characteristics of Estuaries Altered by Estuarine Dams
10:45~11:00	S04-R02	Joshua r. Williams, Timothy M. Dellapenna, Guan-hong Lee, Steven M. Figueroa Shifts in depositional environments as a natural response to anthropogenic alterations: Nakdong Estuary, South Korea
11:00~11:15	S04-R03	Guan-hong Lee, Joshua Williams, Hyun-jung Shin, Timothy Dellapenna Mechanisms for sediment convergence in altered microtidal Nakdong Estuary, South Korea
11:15~11:30	S04-R04	Timothy Dellapenna, Joshua Williams, Guan-hong Lee Sedimentary Impacts of Anthropogenic Alterations on the Yeongsan Estuary, South Korea
11:30~11:45	S04-R05	Joshua Williams, Timothy Dellapenna, Guan-hong Lee Historical Reconstruction of Anthropogenic Mercury Input from Sedimentary Records: Yeongsan Estuary, South Korea
11:45~12:00	S04-R06	Kiryong Kang, Guan-Hong Lee Changes of the bottom turbulence and flow structure by discrete freshwater discharge in the Yeongsan estuary, Korea
15:15~15:30	S04-R07	Hosahng Rhew, Guan-hong Lee, Hyun-jung Shin, Soongji Lee, Seok-Yun Kim, Joshua Williams, Timothy Dellapenna Floc Discharge and Sediment Accumulation at Altered Macro-Tidal Yeongsan Estuary of Korea
15:30~15:45	S04-R08	Joseph Sebastian Paimpillil, Balachandran K.K. Meteorological events and Flood control structures impact on sedimentation characteristics of a tropical estuary

S04 - Delta, Coast and Estuary Systems

15:45~16:00	S04-R09	Shadananan Nair Impact of climate change on a tropical estuary in India
16:00~16:15	S04-R10	Leicheng Guo, Qing He, van der Wegen Mick, Dano Roelvink River controls on large scale fluvio-deltaic morphodynamics: a numerical study
16:15~16:30	S04-R11	Xiaodan Wu, Tiegang Li, Jinming Song, Xuegang Li Behavior characteristics and ecological functions of trace metals in the Yangtze River Estuary and its adjacent waters
16:45~17:00	S04-R12	P. H. Giao, T. T. Thoang, N. T. Dung Geological-geotechnical Correlation in Subsurface Characterization for Saigon-Dong Nai Delta, Vietnam
17:00~17:15	S04-R13	Ananya Biswas, T. Banerjee, Priyanka Mazumdar, Alono Thorie Architecture of a Tidally Influenced Proterozoic Mixed Siliciclastic-Carbonate Ramp, Simla Group, Western Lesser Himalaya, India
17:15~17:30	S04-R14	Zhang Ronghu , Zhang Huiliang , Zeng Qinglu and Chen Ge Silurian tidal littoral depositional system and hydrodynamic characteristics in northern tarim basin
17:30~17:45	S04-R15	V Semeniuk The diversity of tidal flats in Western Australia reflecting climate setting, hinterland setting and provenance, environmental setting, sediment variability, and oceanography
17:45~18:00	S04-R16	Kyungsik Choi Controls on the spatial and temporal variability of point bar architecture in the fluvial-tidal transition, lessons learned from modern (Korean tidal flats and Sittaung River, Myanmar) and ancient (Neslen Fm., Utah, USA and McMurray Fm., Alberta, Canada)

S06 - Asian STRATIFORM

10:30~10:45	S06-R01	Kyungsik Choi, Joohee Jo Late Quaternary stratigraphy of Yeochari tidal flat, Gyeonggi Bay, west coast of Korea
10:45~11:00	S06-R02	Don I. Cummings, Robert W. Dalrymple, Kyungsik Choi, Jae Hwa Jin The tide-dominated Han River delta, Korea
11:00~11:15	S06-R03	Yong Yin The core-recorded strata and sedimentary environments of northern Jiangsu coast and offshore areas since the last MIS 7, South Yellow Sea, China
11:15~11:30	S06-R04	Yan Liu, Daidu Fan, Xiaohu Lai, Zhongyuan Chen, Qianli Sun Coastal environment evolution on the Southern Hangzhou Bay and its implications for human occupation
11:30~11:45	S06-R05	Guanbao Li, Ya'nan Liu, Baohua Liu Primary study on seismostratigraphy of the region around borehole NHH01, South Yellow Sea
11:45~12:00	S06-R06	Koichi Hoyanagi, Yuri Kakubari Formation of depositional sequences on shelf and Pleistocene sea-level changes in New Zealand margin, western rim of Pacific Ocean
15:15~15:30	S06-R07	Santanu Banerjee Palaeo-environmental interpretations of microbial mat-related sedimentary structures on modern clastic coasts from western India
15:30~15:45	S06-R08	Yue Zhang, Daidu Fan, Huiping Xu, Rufu Qin, Yanwei Zhang Influence of Changjiang Diluted Water on suspended sediment transport during the dry-flood seasonal transition at the Hangzhou Bay mouth, China

Amethyst I	S06	15:45~16:00	S06-R09	Yijing WU, Daidu Fan Centennial-scale sediment accumulation and reworking processes and flux in the Changjiang subaqueous delta based on radiochemical measurements
		16:00~16:15	S06-R10	Jingeng Sha Late Mesozoic transgressions of eastern Asia and their significance: A review
		16:15~16:30	S06-R11	Daidu Fan Timing of Asian mega-rivers' accomplishing drainage reorganization in response to Cenozoic uplift of the Tibet Plateau: A review
	S16 - Technology and Exploration Development	16:45~17:00	S16-R01	Eunyoung Kim, Douglas r. toomey, Emilie e. e. Hoof, William s. d. wilcock, Robert t. Weekly, Sang-mook Lee, Younghee Kim Compressional and shear wave structure of the upper crust beneath the Endeavour Segment, Juan de Fuca Ridge
		17:00~17:15	S16-R02	Nam-Hyung Koo, Byoung-Yeop Kim, Wonsik Kim, Moo-Hee Kang, Kyeong-O Kim, Jinho Kim, Ho-Young Lee, Hyun-Chul Han Marine geophysical activities of KIGAM and R/V Tamhae 2
		17:15~17:30	S16-R03	Snons Cheong, Nam-Hyung Koo Inversion and imaging of water layer using seismic reflection data in the Ulleung Basin, East Sea, Korea
		17:30~17:45	S16-R04	Su-min Kim, Nam-hyung Koo, Woo Hyun Son, Byung-yeop Kim, Yonghwan Joo, Snons Cheong, Youngjun Kim, Ho-young Lee Case study of marine broadband seismic exploration in Jeju basin, Offshore Korea

S10 - Deep Sea Mineral Resources

10:30~10:45	S10-R01	Jianping Chen, Mengyi Ren, Ke Shao 3D geological modeling and numerical simulation analyzing of seafloor hydrothermal sulphide resources in the Longqi hydrothermal field
10:45~11:00	S10-R02	Dasong Huang, Xiaoyu Zhang Carriers and source of REY in the Central Indian Ocean Basin sediment
11:00~11:15	S10-R03	Shao Ke, Chen Jian-ping, Ren Meng-yi Quantitative prediction and evaluation of polymetallic sulfide mineral resources in the Indian Ocean
11:15~11:30	S10-R04	Sang-joon Pak, Jonguk Kim, Sun ki Choi, Juwon Son, Jung-keuk Kang, Jai-woon Moon The accretional structures of the Central Indian Ridge and hydrothermal activity at off-axis between 7°S and 17°S
11:30~11:45	S10-R05	Mengyi Ren, Jianping Chen, Ke Shao Metallogenic information extraction and quantitative prediction process of seafloor hydrothermal sulfide resources in the Southwest Indian Ocean
11:45~12:00	S10-R06	Rahul Sharma Economic, technical and environmental considerations for deep-sea mining

S10 - Deep Sea Mineral Resources

15:15~15:30	S10-R07	A. Usui, K. Nishi, h. Satos, Jamstec, Jognmec Distribution, Compositional Variability, and Growth History of Hydrogenetic Ferromanganese Crusts over the Northwestern Pacific Seamounts
15:30~15:45	S10-R08	Justine Perry Domingo, John Christopher Lawrence Morillo, Carlos Primo David Geochemical characterization of manganese deposits along the Eastern Luzon Coast, Philippines: An initial step in the exploration of potential surface minerals on the Benham Rise Area
15:45~16:00	S10-R09	Katsuhiko Suzuki, Kosuke T.goto, Tatsuo Nozaki, Teruhiko Kashiwabara, Koichi Iijima, Akira Usui Os isotope stratigraphy and chemical speciation of elements of ferro-manganese crusts from the Western Pacific seamounts
16:00~16:15	S10-R10	Chang, S.W, I.J. Graham, H. Choi, S-R. Lee, I.C. Wright, R.G. Ditchburn, A. Zondervan Growth history and paleoceanographic implication of Fe-Mn nodules from Campbell Plateau
16:15~16:30	S10-R11	Xiaoming Sun, Zhiyong Lin, Yang Lu, Li Xu, Junli Gong, Rongfei Lu, Hongfeng Lu, Jörn Peckmann, Weidong Sun The enrichment of heavy iron and sulfur isotopes in authigenic pyrite as indicator of anaerobic oxidation of methane: Insight from the South China Sea

Ruby	S13- Understanding the Rifting and Drifting Process in the East Asian Marginal Seas	10:30~10:45	S13-R01	Minghui Zhao, Jian Wang, Xuelin Qiu, Jean-Claude Sibuet, Enyuan He, Jiazheng Zhang 3D seismic structure of the Zhenbei-Huangyan seamount chain in the East sub-basin of the South China Sea and its mechanism of formation
		10:45~11:00	S13-R02	Lihua Liu, Tianyao Hao, Chuanchuan Lv, Qingyu You, Yya Xu Modeling wide-angle seismic survey data for the crustal structure of Bohai Sea and adjacent area
		11:00~11:15	S13-R03	Chuanchuan Lu, Tianyao Hao, Xuelin Qiu The role of rifting in the development of the southwestern sub-basin and its continental margins, South China Sea
		11:15~11:30	S13-R04	Tianyao Hao, Qingyu You, Lihua Liu, Chuanchuan Lv, Ya Xu Integrated Geophysical Study on the Deep Structure of Bohai Bay Region
	S17	14:45~15:15	S17-R01	Zewei Yang On the Impacts of Building the 21st-Century Maritime Silk Road on the South China Sea Dispute Settlement
		15:15~15:45	S17-R02	Le Quy Quynh Current Issues of Land Reclamation in the South China Sea
		15:45~16:15	S17-R03	Hyun Soo Kim Maritime Cooperation Experiences in East Asia

S17- Hydrography and the Law of the Sea

16:30~16:45	S17-R04	Savas Gurcay, Gunay Cifci, Derman Dondurur, Orhan Atgin, Hilmi Mert Kucuk, Ozkan Ozel, Seislab team Investigation of submarine tectono-stratigraphic features offshore of Kusadasi (West Anatolia) and surroundings by high resolution seismic methods
16:45~17:00	S17-R05	Dae Hyun Kim, Yun Soo Choi, Jae Myeong Kim, Ha su Yoon Analyzing GPS Observations at IEODO Ocean Research Station in Republic of Korea
17:00~17:15	S17-R06	Bo-Yeon Yi, Young-Ho Yoon, Nyeon-Keon Kang, Dong-Geun Yoo Processing of sparker seismic data to remove noise and improve resolution
17:15~17:30	S17-R07	Nguyen Nhu Trung, Phung Van Phach, Renat Shakirov, Le Duc Anh, Duong Quoc Hung, Phi Truong Thanh, Nguyen Thi Thu Huong, Bui Van Nam The structure characteristics of the Bac Bo Basin, Gulf of Tonkin, from gravity, seismic and gasgeochemistry data
17:30~17:45	S17-R08	Hoyun Kang, Joonseok Oh, Yongchol Kim Study for calibration methods of airborne bathymetry LiDAR
17:45~18:00	S17-R09	Minchol, Chang, Sunmi, Park Multi-purpose data management system to bathymetry

Oct. 07 Wednesday

Room	Session	TIME	ID	Authors and Title
Convention2	S11 - Exploration and Characterization of Gas Hydrates in the Asian Seas	10:30~10:45	S11-R01	Lu Jiao, Xin Su, Yuanyuan Wang, Hongchen Jiang, Yong Zhang, Fang Chen Microbial diversity in the hydrate-bearing and -free surface sediments in the Shenhu area, South China Sea
		10:45~11:00	S11-R02	Dong-Hun Lee, Young-Keun Jin, Jong-Ku Gal, Hirotsugu Minami, AKihiro Hachikubo, Kyung-Hoon Shin Geochemical signature of methane-related archaea associated with gas hydrate occurrences in the gas-chimney on the Sakhalin continental slope
		11:00~11:15	S11-R03	Seong Yeong Kim, Jong-Hwa Chun, Yuri Kim Geometric variations of methane-derived authigenic carbonates associated with chimney structure in the Ulleung Basin, East Sea
		11:15~11:30	S11-R04	B.V. Baranov, Y.-K. Jin, H. Minami, A.I. Obzhirov, A.S. Salomatin, H. Shoji Gas seeps on the Eastern Sakhalin slope, Okhotsk Sea: distribution, characteristics and possible gas sources
		11:30~11:45	S11-R05	Saulwood Lin, WanYen Cheng, Nei-Chen, Chen, I-Chih Hsieh Sea floor vent communities at the active margin, offshore SW Taiwan
		11:45~12:00	S11-R06	Yi-Ting Tseng, Saulwood Lin, Cheng-Tien Chou, Nei-Chen Chen, I-Chih Hsieh Geochemical characteristics of Tsan Yao Mud Volcano: Source and implication of violent gas venting offshore SW Taiwan

S11 - Exploration and Characterization of Gas Hydrates in the Asian Seas

13:30~13:45	S11-R07	Liang-Fu Lin, Char-Shine Liu, Che-Chuan Lin, Ho-Han Hsu, Jih-Hshin Chang Seismic Implications of Gas Hydrate Presence in the Frontal Ridge Area Offshore Southwestern Taiwan
13:45~14:00	S11-R08	Char-Shine Liu, Ho-Han Hsu, Jia-Chung Ko, Wei-Chung Han, Kuo-Han Chao, Shye-Dong Chiu, Hong-Yi Chang, Yu-Fang Ma, Song-Chuen Chen Pseudo 3D seismic technique on gas hydrate investigation offshore SW Taiwan
14:00~14:15	S11-R09	Ming Su, Zhibin Sha, Rui Yang, Nengyou Wu, Shaohua Qiao, Xiaorong Cong, Jie Liu Comparisons between the eight sites with gas-hydrate petroleum system in the Shenhu gas hydrate drilling area, northern South China Sea
14:15~14:30	S11-R10	Kyoung Jin Kim, Bo Yeon Yi, Nyeon Keon Kang, Dong Geun Yoo Characterization of gas hydrate reservoir using 3D seismic data in the northwest Ulleung Basin, East Sea
14:30~14:45	S11-R11	Xiujuan Wang, Jin Qian, Timothy S. Collett, Shengxiang Yang, Jinqiang Liang, Shaoying Fu, Hesheng Shi, Duanxin Chen Characterization of gas hydrate distribution using conventional three-dimensional seismic data in the Pearl River Mouth Basin, South China Sea
15:00~15:15	S11-R12	Daeok Kim, Yun-Ho Ahn, Se-Joon Kim, Joo Yong Lee, Jaehyoung Lee, Young-ju Seo, Huen Lee Phase behavior of gas hydrates in crystalline swelled clay
15:15~15:30	S11-R13	Hak-Sung Kim, Gye-Chun Cho, Joo Yong Lee, Se-Joon Kim Geotechnical and Geophysical Properties of Deep Marine Sediments Recovered from the Gas Hydrate Occurrence Regions in Ulleung Basin, East Sea, Korea
15:30~15:45	S11-R14	Sung-Min Lee, Ji-Su Kim, Hyo-Jin Shin, Jong-Se Lim, Se-Joon Kim Numerical Simulation for the Effect of Permeability on Gas Hydrate Dissociation Behavior during Depressurization Process in the Ulleung Basin, East Sea of Korea

15:45~16:00	S11-R15	Min Ho Lee, Soon Jee Seol, Joong Moo Byun, Dong Geun Yoo A study on the survey geometry for efficient seismic monitoring of gas hydrates production
16:00~16:15	S11-R16	Gary M. McMurtry, Luis A. Dasilveira, Jong-Hwa Chun <i>In situ</i> Monitoring of Submarine Gas Hydrate Fields with the Deep-Ocean Mass Spectrometer (DOMS)
16:30~16:45	S11-R17	Nyeon Keon Kang, Dong Geon Yoo, Bo Yeon Yi Seismic chimney structures associated with gas hydrate in the Ulleung Basin
16:45~17:00	S11-R18	Young Keun Jin, Boris Baranov, Anatoly Obzhirov, Alexander Salomatin, Alexander Derkachev, Akihiro Hachikubo, Hirotsugu Minami Shallow gas hydrate occurrences and its related phenomena on the Sakhalin continental slope, Russia
17:00~17:15	S11-R19	Sung-rock Lee Significance of recent two publications on gas hydrates: UNEP and maribus

S02 - Climate Changes in Polar Regions

10:30~10:45	S02-R01	Seong-Joong Kim, Junmei Lü, Baek-Min Kim Southern Annular Mode (SAM) for the Last Glacial Maximum derived from PMIP2 coupled model simulations
10:45~11:00	S02-R02	JI Lee, HI Yoon, KC Yoo, HS Moon, E Domack, B Rosenheim, C Subt Presence of diatomaceous mud beneath stratified diamicton in the southwestern Ross Sea and its implication
11:00~11:15	S02-R03	Wenshen Xiao, Rujian Wang, Rainer Gersonde, Jian Ren, Xun Gong Last glacial to Holocene millennial scale climate variability in the Southeastern Bering Sea
11:15~11:30	S02-R04	Michael Schreck, Stijn de Schepper, Kristina M. Beck, Jens Matthiessen, Kirsten Fahl, Gunn Mangerud Early Pliocene reorganisation of Nordic Seas circulation due to Atlantic-Pacific gateway changes
11:30~11:45	S02-R05	Masanobu Yamamoto, Seung Il Nam, Daisuke Kobayashi, Tomohisa Irino, Koji Shimada Millennial-scale variability in the Bering Strait inflow during the Holocene
13:30~13:45	S02-R06	Haiyan Jin, Jianfang Chen, Yanpei Zhuang, Zhongqiang Ji Is the composition of sedimentary organic matter changed in the Western Arctic Ocean under the Arctic rapid Change?
13:45~14:00	S02-R07	Asahi, H., Nam, S-I., son, Y.J., Stein, R. Morphological variation of Neoglobobulimina pachyderma in the Arctic Ocean and its relevance for paleoceanographic reconstructions
14:00~14:15	S02-R08	Duan Xiao, Wang Rujian, Xiao Wenshen, Zhang Taoliang Water column structure changes on the Northwind Ridge, western Arctic Ocean since the Marine Isotope Stage 5: evidences from foraminiferal assemblages and their oxygen and carbon isotopes

S02 - Climate Changes in Polar Regions

14:15~14:30	S02-R09	Jianfang Chen, Haiyan Jin, qingmei Zhu, Hongliang Li, Yanpei Zhuang Silica pump in the west Arctic Ocean under ice rapid retreat
14:30~14:45	S02-R10	Dukki Han, Seung-II Nam, Ho Kyung Ha, Hyoungjun Kim, Michael J. Sadowsky, Yoo Kyung Lee, Hor-Gil Hur Bacterial Biogeography Influenced by Shelf-Basin Interaction in the Arctic Seafloor
15:00~15:15	S02-R11	Niessen, F., Stein, R., Jensen, L., Schreck, M., Matthiessen, J., Jokat, W., Hong, J.K., Nam, S.-I. Ice-grounding along the East Siberian margin and on the Lomonosov Ridge during the Pleistocene: Implications for circum-arctic ice shelves in the Arctic Ocean?
15:15~15:30	S02-R12	Insun Song, Seung-II Nam, Junghyun Kim Mechanical characterization of Arctic marine sediments reveals the life cycle of vanished ice sheets
15:30~15:45	S02-R13	Rujian Wang, Jing Mei, Wenshen Xiao, Boo-Keun Khim, Leonid Polyak, Weiguo Wang Ice rafted detritus and grain size records on the northern Mendeleev Ridge, central Arctic Ocean over the past 920 ka
15:45~16:00	S02-R14	So-Young Kim, Seung-II Nam, Leonid Polyak, Irina Delusina Marine-terrestrial interaction of climate changes in the western Arctic region over the last 10,000 years
16:30~16:45	S02-R15	Woo, K. S., Nam, S.-I., Ji, H. S., Stein, R., Mackensen, A., Matthiessen, J. What happened at ca. 40 ka in Arctic Ocean based on geochemical compositions of pelagic sediments?
16:45~17:00	S02-R16	Taoliang Zhang, Rujian Wang, Wenshen Xiao, Xiao Duan, Zhengying Hu, Jing Mei Ice Rafted Detritus Records and Paleoclimatic Meaning of Chukchi Borderland, Western Arctic Ocean

Crystal	S02	17:00~17:15	S02-R17	Kenta Suzuki, Masanobu Yamamoto, Seng-II Nam, Tomohisa Irino, Yu-Heyon Park, Toshiro Yamanaka Changes in ice drift pattern in in the western Arctic Ocean during the last 70,000 years
		17:15~17:30	S02-R18	Kwangkyu Park, Rujian Wang, Jing Mei, Wenshen Xiao, Boo-Keun Khim, Sunghan Kim, Leonid Polyak, Hyen Goo Cho, Weiguo Wang Late Quaternary sedimentary records of core ARC5-MA01 in the Mendeleev Ridge, the western Arctic Ocean
Jade	S03 - Coastal Processes and Marine Geohazards	10:30~10:45	S03-R01	Junggwan Kim, Seungsoo Chun Sediment dynamics in the Garolim Bay, west coast of Korea
		10:45~11:00	S03-R02	ZK Zhang, BW Shi, SL Jiang, H Ren, RF Tong, DL Jiang Origin of tidal creeks on the radial sand ridges in South Yellow Sea
		11:00~11:15	S03-R03	Hyun Ho Yoon, Seung Soo Chun Spatial difference in predominated sedimentary process around Injado, southwestern coast of Korea - wave-dominated western coast and tide-dominated eastern coast
		11:15~11:30	S03-R04	G. Lominadze, I. Papashvili, S. Khorava, G. Kavlashvili Contemporary Changes of Beach Sediments' Balance of Southern Part of Black Sea Coastal Line of Georgia
		11:30~11:45	S03-R05	WH Ryang, SI Kang, SS Chun Annual and seasonal characteristics of topography and surface sediments in the Gochang beach of 2014 year, southwestern coast of Korea
		11:45~12:00	S03-R06	Hee J. Lee, Jae Y. Jin, Jesun Yoo, Jong D. Do, Sun S. Kim, Kideok Do Latest observations of the nearshore processes before the erosion-prone Haeundai beach, Korea

13:30~13:45	S03-R07	Dae Geon Jang, Seung Soo Chun Seasonal patterns of net sediments transport pathway in the Seocheon Songlim tidal flat, west coast of Korea
13:45~14:00	S03-R08	B. O. Kim, K. H. Yun Long-term shoreline changes on beaches in the Anmyondo
14:00~14:15	S03-R09	K. H. Yun, B. O. Kim The accuracy of aerial triangulation for shoreline mapping on beaches in the Anmyondo
14:15~14:30	S03-R10	Sungji Bae, Jaehyung Yu, Dongyoon Yang Drone-based Remote Sensing Approaches on Coastal Topography Extraction: A Case Study of West Coast, South Korea
14:30~14:45	S03-R11	M. Mahmudur Rahman Analysis of Observed Changes in the Sundarbans Mangrove Using Landsat Time-series Data
15:00~15:15	S03-R12	Kwang Hee Choi Development of narrow coastal plains along the east coast of the Korean Peninsula during the Holocene
15:15~15:30	S03-R13	Chang Soo Son, Seung Soo Chun Stratigraphic characteristics of late Quaternary deposits on an open-coast Dongho macrotidal coast, western Korea
15:30~15:45	S03-R14	Nguyen Thi Minh Ngoc Early diagenesis processes of clay matters in decadal time-scale in tropical coastal sediments of Vietnam

Jade	S03	15:45~16:00	S03-R15	Dawei Liu, Yongming Wang, Ke Hu New Exploration on environmental significance of clay minerals combination characteristics – Study on the QG01 borehole in western coast of Bohai Bay, China
		16:30~16:45	S03-R16	Ken Ikehara, Kazuko Usami, Toru Tamura, Yuki Sawai Tsunami- and earthquake-induced event deposits by the 2011 Tohoku-Oki earthquake and its related tsunami from coastal to deep-sea, and their preservation potential at offshore of Sanriku
		16:45~17:00	S03-R17	Tae Soo Chang, Sangheon Yi, Kwang Hee Choi, Jeong-Heon Choi Three shell beds as evidence for a late Holocene storm-surge run-up on the Dasa-ri coastal dunes, west coast of Korea
		17:00~17:15	S03-R18	B.V. Baranov, Y.-K. Jin, K. A. Dozorova, V.G. Prokudin, A.S. Salomatin, D.D. Rukavishnikova Potential geohazards on the Eastern Sakhalin slope, Okhotsk Sea
		17:15~17:30	S03-R19	Deniz Cukur, Seong-Pil Kim, Gee-Soo Kong, Youngho Yoon, Jung-Ki Kim, Joung-Gyu Choi Geophysical features and inferred triggering factors of submarine landslides in the western continental margin of the Ulleung Basin, East Sea of Korea

S07- Sediment Source-to-Sink Processes and Environmental Records
in Continental Margin

10:30~10:45	S07-R01	Xuefa Shi, Yanguang Liu, Zhengquan Yao, Shuqing Qiao, Shengfa Liu, Kunshan Wang, Xishuang Li, Yonghua Wu, Jianxing Liu Advances in research on Sedimentology and Paleoenvironment change of Chinese Shallow Seas Since the Late Quaternary
10:45~11:00	S07-R02	Suk-hee Yoon, Jung-hyun Kim, Hi-il Yi, Masanobu Yamamoto, Kyung-hoon Shin Origin, composition and reactivity of sedimentary organic matter in the eastern Yellow Sea
11:00~11:15	S07-R03	Anchun Li, Jian Lu, Huangjie, Kaidi Zhang and Jiang Dong Long-distance transport of terrigenous materials in China Seas and the sedimentary record
11:15~11:30	S07-R04	Hucai Zhang, Fengqin Chang, Huayong Li, Lizeng Duan, Hongwei Meng, Han Wu Dust transportation along with the intensification of the Indian Monsoon
11:30~11:45	S07-R05	Tang, C. , Deng, J. , Harff, J. , Li, Y. , Zhang, H. , Zhao, Y. , Li, D. Changing coastlines of the Bohai Sea – interaction of natural and anthropogenic impacts
11:45~12:00	S07-R06	Anatolii Astakhov, Kirill Aksentov, Andrey Darin, Ivan Kalugin, Mikhail Malakhov Environmental reconstructions of western Japan/East Sea for last millenniums based on shelf sediment geochemical records.
13:30~13:45	S07-R07	Chen-tung arthur Chen, Selvaraj Kandasamy, Yan Bai, Xianqiang He Geochemical evidence of the indirect pathway of terrestrial particulate material transport to the Okinawa Trough
13:45~14:00	S07-R08	Zhaokai Xu, Tiegang Li, Dhongil Lim, Hoisoo Jung, Jinyong Choi Sr-Nd isotopic constraints on detrital sediment provenance and paleoenvironmental change in the northern Okinawa Trough during the late Quaternary

S07- Sediment Source-to-Sink Processes and Environmental Records
in Continental Margin

14:00~14:15	S07-R09	Hoi-soo Jung, Dhong-il, Zhaokai Xu Sediment provenance discrimination in the Yellow Sea: Secondary grain-size and REE proxy
14:15~14:30	S07-R10	Chengyu Weng , Xiudong Hao Pollen and sediment source of Taiwan during the mid and late Miocene and the inferred environments in SE China
14:30~14:45	S07-R11	Shouye Yang, Yun Zhao, Lei Bi, Chao Li, James T Liu, Yuanpin Chang Reconstruction of silicate weathering regime in Taiwan Island during the last glaciation
15:00~15:15	S07-R12	Tomohisa Irino, Ken Ikehara, Masanobu Yamamoto, Michinobu Kuwae, and Keiji Takemura Relationship between grain size and provenance in the Holocene sediment from the Beppu Bay, southwestern Japan
15:15~15:30	S07-R13	P. Yin , X. Kang, X.Y. Duan , J.Q. Liu , B. Chen, F. Gao Spatial and Temporal Variations of Small Rivers Discharges to the China Coast
15:30~15:45	S07-R14	Shuqing Qiao, Xuefa Shi, Narumol Kornkanitnan, Aimei Zhu, Yazhi Bai, Bin Wu, Shengfa Liu Seasonal environmental variations in the Upper Gulf of Thailand
15:45~16:00	S07-R15	Y. Zheng, S. Yang, C. Deng Source to sink processes of Yangtze River during the last 130 years, and potential climatic implications-evidence from magnetic results
16:00~16:15	S07-R16	Ni Su, Shouye Yang, Xiaodan Wang, Yulong Guo, Chengfan Yang Reevaluation of rare earth element fractionation during chemical weathering and river sediment transport

10:30~10:45	S08-R01	Feroze Ahmed Kanak, Md Mizanur Rahman, Mohammad Shahidul Islam, Md. Nasrat Jahan, Sudipta Kumar Hore, Md Imran Hasan Forest Cover Change Detection of Sundarbans Mangrove Forest, Bangladesh: An Application of Landsat Satellite Images
10:45~11:00	S08-R02	Seung-kuk Lee, Temilola Fatoyinbo, David Lagomasino, Mizanur Rahman Mangrove Canopy Height Estimation over Sundarbans using global DEM TanDEM-X acquisition
11:00~11:15	S08-R03	La Ode Muhammad Yasir Haya, Masahiko Fujii The Study on Change in Coral Reefs Cover Using Multi Temporal LANDSAT Imagery Data in Pangkajene Islands (PANGKEP), Spermonde Archipelago, South Sulawesi, Indonesia
11:15~11:30	S08-R04	Tong Phuoc Hoang Son, Nguyen Phi Uy Vu, Bui Lai Discussion on the formation mechanism of natural clam grounds in tidal flats of mekong delta
11:30~11:45	S08-R05	Duk-jin Kim, Jung-kyo Jung, Seung-hee Kim, Ki-mook Kang, Xu Zhen, Aaron Swan, Michael Duersch, Scott Hensley Development of Cost-Effective Airborne Remote Sensing System for Coastal Monitoring

13:30~13:45	S08-R06	Jee-eun Min, Joo-hyung Ryu, Wei xiong Evaluation of the Suspended Particulate Matter (SPM) analysis algorithm in the Yellow Sea
13:45~14:00	S08-R07	Yoon-Kyung Lee, Jong-Kuk Choi, Jinah Eom, Seok Yoon, Jee-Eun Min Seasonal variability of the suspended sediment around the Heuksan mud belt
14:00~14:15	S08-R08	Tingwei Cui, Jie Zhang, Yanling Hao Hourly Variability of Suspended Sediment Distribution in the Yellow River Estuary Observed by Geostationary Ocean Colour Images
14:15~14:30	S08-R09	Cheng-Chien Liu, Hsiao-Wei Chung A new web-based service of value-added products derived from GOCI data
15:00~15:15	S08-R10	Chang-Wook Lee, Su-Kyung Kim Monitoring of Volcanic Activity of Augustine Volcano in Alaska using InSAR Time-series Analysis
15:15~15:30	S08-R11	Min-Jeong Jo, Hyung-Sup Jung, Joong-Sun Won1 Three-dimensional measurement of surface deformation for the March 2011 Kamoamoia fissure eruption using multi-temporal COSMO-SkyMed images
15:30~15:45	S08-R12	Soonho Hwang, Yong Hwan Kim, Youn Gyoun Lee Coastal Zone Bathymetry Derived from Landsat-8 Satellite Imagery
15:45~16:00	S08-R13	Dong-jae Kwon, Wook Park, Joong-sun Won Classification of intertidal sediment using a two-step PCA of optical remote sensing: A case study in the west coast of Korean peninsular

S18- GeoCoast of KIGAM International School

10:30~10:45	S18-R01	Adichat Surinkum, Nguyen Thi Minh Ngoc, Soontaree Rattanasrisophon Role of the intergovernmental organization, CCOP, on Capacity Building of Coastal and Marine Geology in East and Southeast Asia
10:45~11:00	S18-R02	Shamsuzzaman MD, Ahosan Habib MD Coastal Geology and Geo-hazards: An overview of Bangladesh
11:00~11:15	S18-R03	Lim Vatha, Sor Sokun Coastal Geology and Geohazards in Cambodia
11:15~11:30	S18-R04	Imun Maemunah, Sri Hidayati The role of Tsunami Deposit Studies in Disaster Mitigation Efforts in Indonesia
11:30~11:45	S18-R05	Muhammad Ezwan Dahlan, Othman Kangsar, Abu Talib Abu Bakar Coastal defence in malaysia
11:45~12:00	S18-R06	Than Oo, NYAN Lin Aung Geological Setting Costal Geology and Mineral Resources of Myanmar

13:30~13:45	S18-R07	Al Emil G. Berador Country Report of the Philippines - Coastal Geology and Geohazards
13:45~14:00	S18-R08	D. P. R. Weerakoon Country report of sri lanka
14:00~14:15	S18-R09	Surached Ruamtum, Warapon Jitsuwan, Ekkachai Kaoemart, Visuttipong Kererattanasathian Assessment of Coastal Change in the Gulf Thailand and the Andaman Sea from 2002 to 2011
14:15~14:30	S18-R10	Ana Bela barreto moniz Coastal geology and geohazards (geocoast) of timor leste
14:30~14:45	S18-R11	Nam Nguyen Xuan, Hai Tran Thanh Geological hazards along the coastal zone of central vietnam under conditions of climate change

S04- Delta, Coast and Estuary Systems

15:00~15:15	S04-R17	Jihye Jeon, Kyungsik Choi Point-bar morphodynamics and hydrodynamics in a macrotidal channel, Goms0 Bay, west coast of Korea: their impact on the stratigraphic architecture of channel and abandoned channel-fills
15:15~15:30	S04-R18	Naishuang Bi, Guopan Xing, Houjie Wang, Zuosheng Yang, Yoshiki Saito Spatial and temporal variation in erosion and accumulation of the subaqueous Yellow River delta (1976-2004)
15:30~15:45	S04-R19	Zuosheng Yang, Bangqi Hu, Shuqing Qiao Uniqueness provenance proxy for the Changjiang(Yantze River) and Huanghe (Yellow River) sediments and its application to sediment supply to the East China Sea distal mud since the middle Holocene.
15:45~16:00	S04-R20	M Brocx, V Semeniuk Conservation of coasts of geoheritage significance in the Asian region using the Geoheritage tool-kit
16:30~16:45	S04-R21	Bingchen Liang, J. Wang, Z.T. Yang, Z.Y. Xu and D.Y. Lee Measurement of the detailed evolution of the beach profile and evaluation of morphology change prediction models
16:45~17:00	S04-R22	Otto S. R. Ongkosongo Strategies to combat coastal erosion and inundation In vulnerable low deltaic coastal plain
17:00~17:15	S04-R23	Shaofeng Pei, Edward A. Laws, Siyuan Ye, Marc T. Kemper Study on chemical hydrography, chlorophyll-a and primary productivity in the Liaodong Bay, China

Poster Presentations

Oct. 06 Tuesday ~ Oct. 07 Wednesday

SESSION S01

Paleoceanography & Paleoclimatology - General

ID	AUTHORS and PRESENTATION TITLE
S01-P01	Jian Xu, Peng Zhang, Rina Zuraida Towards reconstructing upper ocean thermal structure in the Indonesian Throughflow area
S01-P02	Haiyan Jin, Qiongyi Luo, Zhimin Jian Vertical distribution of living planktonic foraminifera in the northern South China Sea and its paleoceanographic implications
S01-P03	Chen Jiali, Li Xing, Hu Pengju, Yang Yang, Song Jinming, Li Xuegang, Yuan Huamao, Li Ning, Lü Xiaoxia The influence of environment parameters on the distribution of isoprenoid glycerol dialkyl glycerol tetraethers (iGDGTs) in surface sediments from the northern South China Sea
S01-P04	Tae Wook Ko, Kyung Eun Lee Temporal and spatial variations in C37 alkenones of suspended particles in the East China Sea
S01-P05	Nayeon Kang, Kyung Eun Lee, Seong-Pil Kim Applicability assessment of alkenones as a SST proxy using core-top sediments of southwestern Ulleung Basin, East Sea
S01-P06	Jong-Ku Gal, Jung-Hyun Kim, Su-Jin Kang, Dong Hun Lee, Kyung-Hoon Shin Assessing the applicability of the LDI paleothermometer in the East Sea (Sea of Japan)
S01-P07	Wentao Ma, Pinxian Wang, Jun Tian Testing dissolved organic carbon hypothesis using intermediate complexity box model

- S01-P08 **Bai yang, Li Zhilong, Wei Xia'er**
Internal Structure of Coastal Dunes along South China Sea, Revealed by Ground Penetrating Radar (GPR)
- S01-P09 **Jingshuang Chen, Qianyu Li**
Foraminiferal paleoceanography of Quaternary turbidite deposits from the central basin of the South China Sea, IODP Site U1433
- S01-P10 **Hongjun Chen, Jan Harff, Yan Qiu, Andrzej Osadczuk , Jinpeng Zhang, Michal Tomczak, Zhaoguo Cui , Guangqiang Cai, Mingming Wen, Liqing Li**
Last Glacial Cycle and Seismic Stratigraphic Sequences Offshore West of Hainan Island, South China Sea
- S01-P11 **Liang Dong, Li Li, Qianyu Li, Hui Wang, Chuanlun L. Zhang**
Hydroclimate implications of thermocline variability in the southern South China Sea over the past 180,000 yr
- S01-P12 **Shengyi Mao, Xiaowei Zhu, Nengyou Wu, Yongge Sun, Hongxiang Guan**
Identification of long chain n-alcohols from the northern SCS since late Last Glacial Maximum and its implication of terrigenous input
- S01-P13 **Liming Ye, Qian Ge, Dong Xu, Kehong Yang**
A rapid gas hydrate dissociation after the Younger Dryas event in the Shenhu area, northern South China Sea
- S01-P14 **Fengming Chang, Tiegang Li, Zhifang Xiong, Zhaokai Xu**
Variations in terrigenous input to the northern Okinawa Trough (East China Sea) during the last 24,300 years: Evidence for sea-level and monsoonal climate changes
- S01-P15 **Aimei Zhu, Xuefa Shi, Jianjun Zou**
Sediment provenance variations in the northern Okinawa Trough during last 88 ka: evidences from Sr and Nd isotopes
- S01-P16 **Ryoung Ah Kim, Kyung Eun Lee, Si Woong Bae**
Estimated temperatures of various SST proxies and their comparisons: A case of the Okinawa Trough

- S01-P17 **Yiqing Jiang, Xin Zhou, Yuxin He, Liguang Sun, Zhonghui Liu**
Late Holocene Yellow Sea Warm Current variability as revealed from a sea surface temperature record
- S01-P18 **Elena Yanchenko, Sergey Gorbarenko, Aleksandr Bosin , Yuriy Vasilenko**
High resolution radiolarian responses of the central Okhotsk Sea to the climate oscillations during the Late Pleistocene and Holocene
- S01-P19 **Bian Yeping, Li Jiabiao, Jian Zhimin, Chu Fengyou, Chu Zhihui, Kuhnt Wolfgang**
Vegetation Change and Land-Ocean Climate Comparison around the Celebes Sea during the Holocene epoch
- S01-P20 **Y.V. Rybiakova, S.A. Gorbarenko, Xuefa Shi**
Climate changes in the Japan Sea and adjacent land during the 75 ka based on pollen data
- S01-P21 **Liping Zhou, Zhongwu Ma, Xuan Ding**
A record of barite accumulation rate for marine export productivity changes in the tropical Indian Ocean during the Mid-Pliocene--Early-Pleistocene transition
- S01-P22 **B. Huang**
Variations in Deep water temperature at western Equator Pacific during the Pliocene-Pleistocene transition
- S01-P23 **Yuri Lee, Inah Seo, Chan Min Yoo, Seong-Joo Lee, Kiseong Hyeong**
Teleconnection of climate system between the Kuroshio Extension and central equatorial Pacific since the last glacial maximum
- S01-P24 **Olga Y. Psheneva, Xuefa Shi, Sergey A. Gorbarenko, Aleksandr A. Bosin, Min-Te Chen, Mikhail I.Malakhov, Jianjun, Zou, Yanguan, Liu, Alexander V. Ignatiev**
High-resolution climate and environment changes of the far north-western Pacific (off Kamchatka) based on multi proxy studying of core LV 63-41-2

- X ding, YY wu**
S01-P25 A new 1 Ma oxygen isotope stratigraphy for a shallow-water sedimentary transect across three IODP 317 sites in the Canterbury Bight of southwest Pacific Ocean
- Baohua Li, Qimei Guo, Jin Kyoung Kim, David Hodell and IODP Expeditions 339 Scientists**
S01-P26 Bottom water evolution off the western Iberian margin over the last 900kyrs
- Sangmin Hyun, Kyung-Hoon Shin, Suk-Chang Lee, Se Won Chang, S-I Nam**
S01-P27 Records of terrestrial n-alkanes and carbon isotope of organic matter in Hanon-Maar sediment, Jeju Island, Korea: implications of paleovegetation and paleoclimate variations over the last 35 kyr
- Cheng cheng and Shuangying Li**
S01-P28 Sedimentary characteristics of an isolated Permian carbonate platform in Zhen'an area, Shanxi, China and its implication for sea level changes in Paleo-Tethys
- Lei Shao, Qianyu Li, Zhenfeng Wang, Dongjun Zhang, Peijun Qiao, Xinyu Liu, Li You, Yuchi Cui, Xixi Dong**
S01-P29 Subsidence and subsurface cooling weakened reef growth in the late Miocene South China Sea constrained by lithostratigraphic and geochemistry evidence
- Xue Yuan, Lin Li, Men Xin**
S01-P30 Sponge spicules fossils in the Early Cambrian Gezhongwu Formation, Lianxing, Zhijin, Guizhou
- Li Lin Keyu Zhu Zheng-ge Dong**
S01-P31 The Discovery and Geological Significance of Glauconites from the bottom of Lower Cambrian Niutitang Formation in Weng'an of Guizhou, south China
- Yang Liu, Lin Li , Xue Yuan**
S01-P32 The Preliminary Study on Sinian Doushantuo Formation sedimentary environment of the Guizhou weng'an
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SESSION S02

Climate Changes in Polar Regions

ID	AUTHORS and PRESENTATION TITLE
S02-P01	Wu Li, Wang Rujian, Xiao Wenshen, Ge Shulan, Chen Zhihua High resolution age model of late Quaternary sediment sequence in Prydz Bay abyssal region, East Antarctica
S02-P02	Min kyung Lee, Ho Il Yoon, Kyu-Cheul Yoo, Young-Suk Bak, Soo A Jeon, Kyung-Hoon Shin Late Holocene Paleoclimate Record of sediments near Joinville Island, northeastern Antarctic Peninsula
S02-P03	Kyu-cheul Yoo, ho il Yoon, jae il Lee, yong il Lee, kitae Kim, min kyung Lee, young-suk Bak Paleoceanographic changes and glacial history of the Powell Basin, northern Weddell Sea
S02-P04	Jin-Kyoung Kim, Kyung Sik Woo, Ho Il Yoon, Aldo Shemesh Paleoceanographic changes of the South Scotia Sea, Antarctic Peninsula using stable isotope compositions of diatoms since the last glacial period
S02-P05	Jaewoo Jung, Jeeyoung Kim, Hyounsoo Lim, Hoil Yoon, Yookyung Lee, Ok-sun Kim, Kyeongyang Park, Jungbae Lee, Jinwook Kim Structural and chemical modification of Fe-rich smectite associated with microbial Fe-respiration by psychrophilic bacteria in King George Island, West Antarctica
S02-P06	ZQ Ji, HY Jin, R Stein, YC Bai, HL Li, Y Zhang, JF Chen Distributions and Sources of Organic Matter (OM) in Surface Sediments of the Northern Bering and Chukchi Seas using Bulk OM Proxies and branched / isoprenoid tetraethers (BIT index)
S02-P07	Young-Jin Joe, Seok-Hoon Yoon, Seung-II Nam Echo facies distribution of the Quaternary glacialigenic bedforms in the Chukchi Sea, west Arctic.

- S02-P08 **Borom Lee, Seung-II Nam, Youngsook Huh, Mi Jung Lee**
Neodymium isotope variability in the Chukchi Sea during the Holocene
- S02-P09 **Michael Schreck, Seung-II Nam, Sung-Ho Kang, Jens Matthiessen, Christoph Vogt, Rüdiger Stein, Frank Niessen**
Improved stratigraphic framework for the Quaternary western Arctic Ocean and its paleoenvironmental implications
- S02-P10 **Kyeong Ja Kim, Seung-II Nam, A. J. Timothy Jull**
Investigation of the paleoclimate of the Mendeleev Ridge in the western Arctic Ocean using beryllium isotopes
- S02-P11 **Asahi, H., Mix, A.C., Suto, I., Gulick, S.P.S, Jaeger, J.M., Levay, L., Nam, S-I . Khim, BK , IODP EXPEDITION 341 SHIP-BOARD Scientists**
Oxygen isotope stratigraphy at Site U1417 and U1418 in the Gulf of Alaska (IODP Exp. 341)
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SESSION S03

Coastal Processes and Marine Geohazards

ID	AUTHORS and PRESENTATION TITLE
S03-P01	Jin Cheul Kim, Jaesoo Lim, Jin-Young Lee, Sei-Sun Hong, Dong-Yoon Yang Paleo-environments and depositional ages of coastal sediments in Gwanpo-ri, Geoje Island
S03-P02	SeoungYoung Ju, HyeonHo Yoon, SeungSoo Chun Architectural analysis of the Holocene tidal flat sequence on the Yubu island in Keum river estuary, West Coast of Korea
S03-P03	Jaesoo Lim, Jin-Yong Lee, Jin-Cheul Kim, Sei-Sun Hong, Ju-Yong Kim, Dong-Yoon Yang Holocene coastal environment changes in the Beolgyo area, southern coast of Korea
S03-P04	Zhao Weina, Zhang Xunhua, Wu Zhiqiang, Mi Beibei, Chen Shanshan Application of three instantaneous attributes in the analysis of quaternary strata from Chinese Continental Scientific Drilling Program
S03-P05	Seok Hwi Hong, Seung Soo Chun Seasonal characteristics of surface sediments in Yeoja Bay, Southwest Coast of Korea
S03-P06	Zhu Jiong, Kang Jiancheng, Han Guoqi Spatial variations process of sea temperature during typhoon MATSA(0509) and SAOMAI (0608)
S03-P07	Weidong Yi, Xinsheng Yu, Yanyan Wang, Wei Zhang, Shanggong Cui Application of a Near Shore Imaging System for Spatial and Temporal Dynamics Monitoring of Shilaoren Beach in Qingdao
S03-P08	WH Ryang, SI Kang Variation of topography and surface sediments in the Gochang beach before and after the typhoon Kompasu in 2010, southwestern coast of Korea

- S03-P09 **Bang Hee Lee, Eun il Lee, Tae Su Chang**
Short-term morphological changes revealed by the multi-beam bathymetry mapping in the southern coast of Jeju Island, Korea: a possible typhoon impact?
- S03-P10 **Soo Yong Lee , Kwang Hee Choi, Seong-pil Kim, Se Won Chang**
Sedimentary records of the paleo extreme events in a beach ridge plain, east coast of South Korea
- S03-P11 **Jun yan, Jieyang Zhang**
Types and characters of potential hazardous features on the outer shelf of the northern South China Sea
- S03-P12 **Min Han, Dong Yoon Yang, Jaehyung Yu, Jong Wook Kim**
Typhoon event and tracking gravel movement using RFID (Radio Frequency Identifier) tags in Yeocha beach, south coast of Korea
- S03-P13 **Kwang Hee Choi, Yeong Bae Seong**
Estimation on long-term lowering rates of shore platforms developed on volcanic islands, using cosmogenic ^{36}Cl dating
- S03-P14 **Yoonmi Kim, Kwang Hee Choi**
Disturbance of distribution and dynamics of soil nutrients by planting trees on the coastal dunes of South Korea
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SESSION S04

Delta, Coast and Estuary Systems

ID	AUTHORS and PRESENTATION TITLE
S04-P01	Tae Soo Chang, Dong Geun Yoo, Seung-II Nam, Eunil Lee A late Holocene tidal sand ridge in a macrotidal seaway, Asan Bay, Korea: seaward progradation during transgression?
S04-P02	Zeng Qinglu, Zhang Huiliang, Zhang Xianlong, Ji Yungang Characteristics of tidal action sedimentary system and distribution of favorable reservoir of Silurian in Tazhong Area
S04-P03	Jun-Ho Lee, Han Jun Woo, Jeongwon Kang, Kap-Sik Jeong Distribution and Source Identification of PAHs and PCBs in Surface Sediments from the Nakdong River Estuary, South Korea
S04-P04	Hiroyuki Takata, Kota Katsuki, Ara Cho, Daekyo Cheong, Seungwon Shin, Yong-Hee Park, Boo-Keun Khim, Hyoun Soo Lim Holocene microfossil (diatom and benthic foraminifera) records in the Nakdong River delta, South Korea
S04-P05	Dong G. Yoo, Tae S. Chang, Gwang S. Lee, Seong P. Kim, Gil Y. Kim Late Quaternary seismic stratigraphy and depositional history at the mid-eastern Yellow Sea
S04-P06	Dehai Song, Xiao Hua Wang, Zhenyi Cao, Weibing Guan Suspended sediment transport in the Deepwater Navigation Channel of the Yangtze River Estuary in dry season 2009
S04-P07	Dong G. Yoo, Gwang S. Lee, Seong H. Bae, Seong P. Kim, Tae S. Chang, Gee S. Kong Transgressive systems tract of late Quaternary deposits in South Sea shelf, Korea
S04-P08	Young Sook Baek, Tae Soo Chang, Jin Cheul Kim Variation in Sedimentary facies (long-drilling core) by Late Quaternary Sea-level change (after MIS6), Baeksu tidal flat, west coast of Korea

SESSION S05

Sediment Dynamics and Sedimentation Processes in East Marginal Seas

ID	AUTHORS and PRESENTATION TITLE
S05-P01	Zhirui Deng, Qing He, Chao Guo Seasonal and spatial variation of algae effects on floc in Yangtze Estuary
S05-P02	Mingzheng Wen, Yonggang Jia In Situ Study Of Sediment Resuspension Caused By Waves And Sea Currents - A Case Of Yellow River Delta
S05-P03	Renfu Fan, Hao Wei, Liang Zhao Linking suspended particulate material characteristics to the plankton distribution in summer in the Yellow Sea and East China Sea
S05-P04	Chengyi Yuan, Hao Wei, Youyu Lu, Xiaofan Luo Statistical Relationships of Winter Temperature and Atmospheric Circulation Indices Derived from Mechanism Studies in the Yellow Sea
S05-P05	Bowen Li, Yonggang Jia Study of the dynamic variation of seabed sediment based on in-situ observation experiment in the Yellow River Delta, China
S05-P06	Joohee Jo, Kyungsik Choi Controls on the Morphodynamics and Stratigraphic Architecture of Compound Dunes and Point Bars on the Open-Coast Macrotidal Flat in Gyeonggi Bay, West Coast of Korea
S05-P07	Yajun Xu, Liang Zhao, Ye Yuan Estimation of critical shear stress based on a bottom tripod observation southwest of Cheju Island, East China Sea

- Li Niu, Chen Duofu, Chen Linying, Wang Hongbin**
S05-P08 Enrichment Mechanism Of Redox-Sensitive And Nutrient Elements In Foraminifera-Rich Turbidites From Shenhu Area On The Northern Continental Slope Of The South China Sea
- Hong-jun Chen, Wen-huan Zhan, Ming-ming Wen, Li-qing Li**
S05-P09 Different Types of the Shelf Break Zone and the controlling factors at the Qiongdongnan Basin, northwestern South China Sea
- Qianyu Li, Lei Shao, Xiong Pang, Lili Zhang**
S05-P10 Regional tectonic imprints on Oligo-Miocene third-order sea level changes in the northern South China Sea
- Yuantao Liao, Yuxi Guo, Jianye Ren, Yongjian Yao, Dianjun Tong**
S05-P11 Temporal and spatial distribution of shallow water carbonates and their respond to tectonic evolution in Reed Bank Area, South China Sea
- Cui Shanggong, Zike Jiang, Xinsheng Yu**
S05-P12 Comparison of in situ technology for benthic flux of dissolved oxygen
- Naohisa Nishida, Ken Ikehara**
S05-P13 Spatial and temporal changes in the depositional processes off Fukuoka, SW Japan during the Holocene
- Takuya Itaki, Atsuko Amano, Naohisa Nishida, Hajime Katayama**
S05-P14 Sediment dynamics around the Okinawa-jima Island, central Ryukyu Arc, southwestern Japan
- Xiaochuan Ma, Changan Chen, Zhendong Luan**
S05-P15 Giant trochoidal sand waves in southwest Beibu Gulf: geometry and origin
- Ho Kyung Ha**
S05-P16 Monitoring sediment transport using the combined data from ADCP and LISST-HOLO: coastal to Polar Oceans
- Liu Jiao, ShanHongxian, Zhang Hong, Zhang Shaotong, JiaYonggang**
S05-P17 Impact of marine salinity on the critical shear stress of fine-grained sediments
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SESSION S06

Asian STRATAFORM

ID	AUTHORS and PRESENTATION TITLE
S06-P01	Jun Lu, Daidu Fan Sediment dynamics by interactions between waves and currents on an intertidal mudflat along the southern flank of the Yangtze River Delta, China
S06-P02	Su Jianfeng, Fan Daidu Post-LGM (Last Glacial Maximum) Stratigraphic Sequence and Environmental Evolution in the Yangtze Subaqueous Delta
S06-P03	Daidu Fan, Yangyang Wang Detrital zircon U-Pb age spectra of Late Cenozoic sediments in the Yangtze delta and its implication for the catchment evolution
S06-P04	Pand Yumao, Zhang Xunhua, Wen Zhenhe Stratigraphic Framework and Tectonic Evolution Process of the Middle Uplift Zone in the South Yellow Sea

SESSION S07

Sediment Source-to-Sink Processes and Environmental Records in Continental Margin

ID	AUTHORS and PRESENTATION TITLE
S07-P01	Xiangtong Huang, Shouye Yang Hypoxia in the Yangtze Estuary and East China Sea : a review
S07-P02	Peng Yao, Bin Zhao, Jinpeng Wang, Tingting Zhang, Huihui Pan, Dong Li, Limeng Gao Sources, dispersal and decay of sedimentary organic matter across the East China Sea continental margin
S07-P03	Van Duc Nam, Ngo Thi Thuy Huong Assessment of Metals Pollution in Water and Sediments of the Danang Bay, Vietnam

- S07-P04 **J.H. Kim, D.I. Lim**
Total mercury (THg) concentrations in the Yellow Sea sediments: distribution, accumulation, and pollution history
- S07-P05 **Bin Zhao, Peng Yao, Hui Liu**
Early chemical diagenesis and sediment-water solute diffusion in mud deposits of the Changjiang Estuary and adjacent shelf
- S07-P06 **IK Um, MS Choi**
Provenance of fine-grained sediments since the LGM in the southeastern Yellow Sea
- S07-P07 **Wang Linmiao, Li Guangxue**
Sediment record of paleoenvironment of the central mud of the South Yellow Sea and its response to the East Asian Monsoon during Holocene
- S07-P08 **Jianguo Liu, Stephan Steinke, Christoph Voigt, Ricardo De Pol-Holz, Mahyar Mohtadi, Dierk Hebbeln**
Temporal and spatial differences in sediment depositional patterns in the northern South China Sea over the last 50,000 years
- S07-P09 **Xiaodan Wang, Shouye Yang, Gangjian Wei, Jinlong Ma**
Stable Strontium Isotope in the Suspended Sediments of the Changjiang (Yangtze) River as a Tracer of Sr sources and geochemical cycling
- S07-P10 **Yulong Guo, Shouye Yang, Yun Zhao, Lei Bi, Ni Su**
A review on grain size and hydrodynamic sorting effects on chemical weathering indices based on river sediment chemistry
- S07-P11 **Xiaolong Liang, Shouye Yang**
Distributions of rare earth elements in the suspended particular matter of the Oujiang Estuary and provenance indication

S07-P12	Yun Zhao, Shouye Yang, Lei Bi, James Liu Provenance discrimination of late Quaternary sediments at the mouth of Zhuoshui River
S07-P13	Liu Kexin, Zhang Yongqiang, Lin Li Stream Sediment Geochemical Characteristics of Jinda Exploration Area in Tibet

SESSION S08

Remote Sensing Application to Marine Geology

ID	AUTHORS and PRESENTATION TITLE
S08-P01	Jong-Kuk Choi, Yoon-Kyung lee, jinah Eom, Seong-been Cho Monitoring of coral reef habitat changes using high-spatial-resolution satellite images
S08-P02	Saro Lee, Jong-Kuk Choi, Bon-Joo Koo, Joo-Hyung Ryu, Yoon-Kyung Lee Ruditapes philippinarum habitat mapping in a Korean tidal flat using remote sensing and GIS
S08-P03	Deuk-Jae Hwang, Jong-kuk choi, Han-jun Woo, Bon-Joo Koo, Saro lee, Tống Phước Hoàng Sơn The thematic mapping of the Vietnamese tidal flat based on the in-situ and remotely sensed data
S08-P04	Jong-Kuk Choi, Bumjun Kim, Yoon-Kyung lee Application of Unmanned Aerial Vehicle to the mapping of a tidal flat Digital Elevation Model

SESSION S09

Oil and Gas in Marine Environment

ID	AUTHORS and PRESENTATION TITLE
S09-P01	Xue Yuan, Lin Li, Men Xin, Wang XiuPing Characteristics of mineral components of black shale in Longmaxi Formation of Silurian in southern Sichuan Basin and its periphery
S09-P02	Seungyeon Lee, Yi Kyun Kown CO ₂ storage potential of incised valley fills in the southwestern continental margin of the East Sea
S09-P03	Kyungbook Lee, Seungpil Jung, Taehun Lee, Jonggeun Choe History Matching using Ensemble Smoother for Benchmark Model
S09-P04	Kap-Sik Jeong, Jeongwon Kang, Jin Hyung Cho, Jun Ho Lee, Seok Jang Implications of seeping hydrocarbon gases in the Gunsan Basin, east-central Yellow Sea, off the southwest of Korea
S09-P05	Wei Zhang, Yanyan Wang, Xincheng Yu The Development of Digital Holographic System for Study of Oil Droplet
S09-P06	Li Niu, Chen Duofu, Chen Linying, Wang Hongbin Enrichment mechanism of redox-sensitive and nutrient elements in bottom current reworking foraminifera-rich turbidites from Shenhu area on the northern continental slope of the South China Sea

SESSION S10

Deep Sea Mineral Resources

ID	AUTHORS and PRESENTATION TITLE
S10-P01	Jonguk Kim, Juwon Son, Sang-joon Pak, Jai-woon Moon, Seung-kyu Son Hydrothermal plume along the northern Central Indian Ridge, 8°S–17°S: Magmatic and tectonic control on hydrothermal activity at slow-spreading ridge
S10-P02	Wang Shujie, Zhai Shikui, Yu Zenghui, Li Huaiming Mineralogy of polymetallic sulfide from the seafloor hydrothermal field near 15°S Southern Mid-Atlantic Ridge
S10-P03	Han Beom Park, Kiho Yang, Jinwook Kim Characteristic feature of Western Pacific Magellan Seamount Ferromanganese crust: KODOS CR13-02
S10-P04	Keisuke Nishi, Akira Usui, Hisaaki Sato, Hikari Hino, Yoshio Nakasato, Ian J. Graham Growth textures, mineralogical and geochemical compositions of phosphatized ferromanganese crusts in the northwest Pacific seamounts
S10-P05	Wonnyon Kim, Sarah P. Slotznick, Jiyoung Shin, Cheong kee Park, Jae-Woon Moon Magnetostratigraphy of the ferromanganese crust in the northwest equatorial Pacific
S10-P06	Jongmin Joo, Sang joon Pak, Jonguk Kim, Ju won Son, Seung kyu Son, Jai-woon Moon Multi-Beam Echo Sounding survey in the guyot, Magellan seamounts; distribution characteristics of Co-rich ferromanganese crust
S10-P07	Li Lin, Yuhua Zhou, yuan Xue, kexin liu, Yanchun Pan, Yeqin Ma, Liyan Ma, Xiuhua Li, Keyu Zhu The discovery and significance of exhalative rock in Ni-Mo sulfide deposits in the early Cambrian Niutitang Formation in South China

S10-P08	Li Lin, Keyu Zhu, Yuhua Zhou, Yanchun Pan Microorganisms' mineralization in the Ni-Mo polymetallic orebed in Lower Cambrian Niutitang Formation of Yangtze Platform in south China
S10-P09	Sang-Bum Chi, Wonnyon Kim, Chan Min Yoo, Cheong Kee Park Korea Mn-nodule program
S10-P10	Men Xin, Lin Li, Xue Yuan Organic geochemical characteristics of source rocks in Lower Silurian Longmaxi formation, South of Sichuan basin and its periphery

SESSION S11

Exploration and Characterization of Gas Hydrates in the Asian Seas

ID	AUTHORS and PRESENTATION TITLE
S11-P01	Qi Lin, Jiasheng Wang, Fei Sun, Rongxiao Lin, Qingtao Bu, Junxia Yang, Junyu Yu Formation mechanism for authigenic gypsum associated with authigenic pyrite and methane hydrate: evidence from GMGS2 expedition, northern South China Sea
S11-P02	Hongpeng Cui, X Su, Fang Chen, Shiping Wei Vertical distribution of archaeal communities in cold seep sediments from Jiulong Methane Reef area in the South China Sea
S11-P03	Young-Gyun Kim, Young Keun Jin, Boris Baranov, Anatoly Obzhirov, Hirotsugu Minami Wiggled surface around the top of gas hydrate stability zone in the northeastern Sakhalin Slope, Okhotsk Sea: Is this present-day example for slope failure initiation associated with gas hydrate dissociation?
S11-P04	Liu Jie, Su Ming, Qiao Shaohua, Yang Rui Forming mechanism of the slope-confined submarine canyons in the Baiyun Sag, Pearl River Mouth Basin

- S11-P05 **Xiaorong Cong, Ming Su, Nengyou Wu, Rui Yang, Shaohua Qiao, Jie**
The association between submarine canyons and the accumulation of gas hydrates in the Pearl River Mouth Basin
- S11-P06 **Hong-jun Chen, Wen-huan Zhan, Jin-Liang, Li-qing Li, Jin-qiang Liang, Yue-hua Gong, Ming-ming Wen**
The occurrence of the submarine canyons and mass movements in the Shenhu area along the northern continental slope of the South China Sea: A possible relationship with gas hydrate?
- S11-P07 **Hirotsugu Minami, Akihiro Hachikubo, Hirotoshi Sakagami, Satoshi Yamashita, Nobuo Takahashi, Hitoshi Shoji, Young Keun Jin, Boris Baranov, Anatoly Obzhirov**
Ionic and isotopic analyses of pore waters from gas hydrate-bearing sediment cores retrieved at Tatarsky trough off Sakhalin Island, Russia
- S11-P08 **A. Hachikubo, Y. K. Jin, S. Takeya, O. Vereshchagina, H. Sakagami, H. Minami, S. Yamashita, N. Takahashi, H. Shoji, A. Obzhirov**
Characteristics of natural gas hydrates retrieved from Tatarsky Trough, off the south western Sakhalin Island
- S11-P09 **Rui Yang, Nengyou Wu, Ming Su, Zheng Su, Shaohua Qiao, Jie Liu, Jinqiang Liang , Pan Guo, Yuanyuan Huo**
The stability of gas hydrate field in the northern continental slope of South China Sea as inferred from analysis of heat flow data
- S11-P10 **Dong-Hyo Kang, Jong-Hwa Chun, Nam-Hyung Koo, Won-Sik Kim, Bo-Yeon Yi, Ho-Young Lee**
Influence factor of forming gas hydrate chimney in the Ulleung Basin, East Sea

- S11-P11 **Dong G. Yoo, Nyeon K. Kang, Bo Y. Yi, Gil Y. Kim, Young J. Kim, Byong J. Ryu**
Geophysical evidence for the occurrence of gas hydrate and associated gas in the Ulleung Basin, East Sea
- S11-P12 **Byong-Jae Ryu**
Studies on gas hydrates in the deep-water Ulleung Basin, East Sea of Korea
- S11-P13 **Gil Young Kim, Buyanbat Narantsetseg, Dong Geun Yoo, Byong Jae Ryu**
Fracture analysis from borehole log data in the Ulleung Basin, East Sea
- S11-P14 **Bo-Yeon Yi, Nyeon-Keon Kang, Dong-Geun Yoo, Gwang-Hoon Lee**
Estimation of gas hydrate saturation using 3D seismic data in the Ulleung Basin, East Sea
- S11-P15 **Young-ju Seo, Daeok Kim, Dong-Yeun Koh, Joo Yong Lee, Taewoong Ahn, Se-Joon Kim, Jaehyoung Lee, Huen Lee**
A non-destructive method for additional CH₄ recovery from gas hydrates
- S11-P16 **Taewoong Ahn, Jaehyoung Lee, Joo Yong Lee, Se-Joon Kim**
X-ray computed tomography observations of hydrate-bearing porous media under hydrate formation and dissociation process
- S11-P17 **Jinan Guan, Deqing Liang, Lihua Wan**
Using an improved IMPES formulation on numerical simulation of methane hydrate-related porous media
- S11-P18 **Ah-Ram Kim, Gye-Chun Cho, Se-Joon Kim, Joo-Yong Lee**
Geomechanical responses of marine gas hydrate-bearing sediments in the Ulleung basin induced by a depressurization method
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Tectonics, Volcanology & Basin Analysis

ID	AUTHORS and PRESENTATION TITLE
S12-P01	SoonYoung Choi, ChangHwan Kim, HyungRae Kim, Hyeon-Yeong Park, ChanHong Park 3-D magnetic inversion modelling analysis in TA19-1 seamount of the Lau basin by the iterative reweighted least square method
S12-P02	Yoon-Mi Kim, Sang-Mook Lee Consideration of Crustal Structure of the Ulleung Basin in East Sea (Japan Sea) by Thermal Evolution
S12-P03	Xiaomei Du, HuaWang, Jinfeng Ren, Xinong Xie Deposition architecture patterns and evolution of continental slope and their controlled factors in the Qiongdongnan Basin, South China Sea
S12-P04	Chang Seong Koh, Seok Hoon Yoon Geologic Evolution of the Socotra Basin in the South Sea, Korea
S12-P05	Ning Qiu, Zhen Sun, Xiong Pang, Jinyun Zheng Geophysical investigations of crustal structure of Cenozoic rifting basin in passive continental margin: the Pearl River Mouth Basin, South China Sea
S12-P06	Xie Zhiyuan, Sun Zhen The hydrocarbon significance of post-rift fault activity in Baiyun sag, northern South China Sea
S12-P07	Gang Tao, Lidong Zhu, Wenguang Yang, Zhiwu Li, Chao Li, Bi He, Duwen Li The volcanic-sedimentary evolution of Qushenla Group in the southern margin of Qiangtang Basin

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Understanding the Rifting and Drifting Process in the East Asian Marginal Seas

ID	AUTHORS and PRESENTATION TITLE
S13-P01	Kuiyuan Wan, Shaohong Xia, Jinlong Sun, Jinghe Cao, Huilong Xu 2-D crustal structure of the Taiwan shoal area in the northeastern South China Sea
S13-P02	Shaohong Xia, Dapeng Zhao, Xuelin Qiu, Huilong Xu, Jinlong Sun Seismic constraints on Late Mesozoic magmatic plumbing system in the onshore-offshore area of Hong Kong
S13-P03	Qi Li, Xiu Kong, Suwei Shao Seismic Record of Tectonic and Depositional Evolution in the Okinawa Trough
S13-P04	Hu Litian ,Hao Tianyao, Xu Ya Lithosphere structure of the Southwest Subbasin, South China Sea: Integrated heat flow, gravity, and topography data
S13-P05	Luning Shang, Xunhua Zahng, Yonggang Jia Structural characteristics of the Diaoyudao Uplift Belt and its tectonic coupling with the Okinawa Trough in late Cenozoic
S13-P06	Weijian Hu, Tianyao Hao, Weiwei Jiang, Ya Xu, Didi Jiang Distribution and hydrocarbon potential of Mesozoic strata in the South China Sea
S13-P07	Xing Jian, Hao Tianyao A 2.5D gravity inversion method for multi-interfaces underground

SESSION S14A

IODP A: Scientific Results from IODP Drilling and Future Scientific Drilling Proposal

ID	AUTHORS and PRESENTATION TITLE
S14A-P01	Gil Young Kim, Se Won Chang, Sang Min Hyun, Young Joo Lee Activity and Future Plan of K-IODP
S14A-P02	Gil Young Kim, Buyanbat Narantsetseg Borehole breakout analysis at Sites 1378 and 1379 of IODP Exp. 334
S14A-P03	Jang-Jun Bahk, Roger Urgeles, Sang-Hoon Lee, Senay Horozal, Sueng-Won Jeong, Nabil Sultan, Kyung-Eun Lee, Greg Moore, Gil-Young Kim, Katie Taladay, Seong-Pil Kim, Brandon Dugan, Michael Strasser, David Mosher, Marta Torres Drilling to assess Ulleung Basin gas hydrates and submarine landslides
S14A-P04	Jang-Jun Bahk, Christian France-Lanord, Volkhard Spiess, Tilmann Schwenk, Adam Klaus, and IODP Expedition 354 Scientists Shipboard results on record of Himalayan orogeny and climate across the Middle Bengal Fan (IODP Expedition 354)
S14A-P05	Kiho Yang, Steven D'hondt, Hionsuck Baik, Jinwook Kim Characteristics of ferromanganese nodule in deep subseafoor sediments in South Pacific Gyre (SPG): IODP expedition 329
S14A-P06	Jiyoung Choi, Ji-Hoon Kim, Marta E. Torres, Miriam Kastner, Kil Young Kim, Expedition 344 Scientists Preliminary interpretation of Organic Geochemistry of IODP Exp. 344 : Costa Rica Seismogenesis Project II (CRISP II)
S14A-P07	Yongmi Kim, Sangheon Yi, Gil Young Kim Preliminary palynological analysis for the Miocene marine environments in the Ulleung Basin, East Sea: IODP Expedition 346 Site U1430

SESSION S14B

IODP B: Scientific Drilling in the South China Sea to Unravel Continental Breakup and Seafloor Spreading Processes

ID	AUTHORS and PRESENTATION TITLE
S14B-P01	Ren Jianye, Pang Xiong, Zhang Junxia, Lei Chao, Yang Linlong Ocean and continent transition in passive continental margins and analysis on lithospheric extension and breakup process : implication for research of the deep water basins in the continental margins of South China Sea
S14B-P02	Kang-Hao Yu , Char-Shine Liu P-wave Velocity of Marine Sediments in the Northern South China Sea Continental Margin

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General Marine Geology

ID	AUTHORS and PRESENTATION TITLE
S15-P01	Myoung-hoon Lee, Chang-hwan Kim, Chan-hong Park, Hyeon-yeong Park A study of integrated seafloor visualization and geological characteristics for habitat mapping around the nearshore area of Dokdo in the East Sea
S15-P02	Yanwei Guo, Shouye Yang An experimental study of element release from the sediments of the Changjiang (Yangtze River) Estuary
S15-P03	Buyanbat Narantsetseg, Gil Young Kim, Jin-Wook Kim, Jamba Tseveenjav Analysis of clay minerals and clay fabric and their effects on the physical properties of the Heuksan mud belt, Southeastern Yellow Sea, Korea
S15-P04	Shin Yu, Dae Choul Kim, Seong Pil Kim, Gee Soo Kong Digital datasheet interfaces of marine sediment core sample analysis data

- S15-P05 **Sung Ho Bae, Dae Choul Kim, Gee Soo Kong, Gwang Soo Lee**
Evolution of late Quaternary deposits in the South Sea continental shelf, Korea
- S15-P06 **Yajun Li, Zhenglong Jiang, Xinyuan Wang**
Evolution of paleowater depth and the Northern Slope transition of the South China Sea in Baiyun Sag, Pearl River Mouth Basin—Evidence from paleontology of well LW3-1-2
- S15-P07 **Ergang Lian, Shouye Yang, Chengfan Yang, Chao Li, Yulong Guo**
Intrusion of the Taiwan Warm Current into the Changjiang River Mouth in winter: evidence from H-O isotopes
- S15-P08 **Liu Jianxing, Shi Xuefa, Liu Qingsong, Zhang Xunhua, Ge Shulan**
Newly rock-magnetic and paleomagnetic insights on sediments from the South Yellow Sea and the chronological significances
- S15-P09 **Gretchen P. Callejo, Allan Gil S. Fernando, Leopoldo P. De Silva, Jr.**
Paleontologic and Petrographic Characteristics of the Calcarenes in Burgos, Ilocos Norte (Northern Philippines)
- S15-P10 **Chenhua Han, Guanghai Wu, Ying Ye**
Sedimental geochemical method application on the seabed polymetallic sulfide ore deposit prospecting
- S15-P11 **Jiasheng Wang, Qi Lin, Qing Wei, Junxia Yang, Rongxiao Lin**
Solid elemental sulphur in marine sediments and implication for SMTZ fluctuation
- S15-P12 **WH Ryang, SP Kim, GS Lee, J Hahn**
Stratigraphic and geoaoustic models at the DH-1, 2 long-core sites in the Korean continental margin of the East Sea
- S15-P13 **Song Yongdong , Xu Tao , Yan Jun , Liu Xiansan**
The heat flow in-situ measurement in Yap trench of the Western Pacific
- S15-P14 **Yi Yang, Xiaoyan Ruan, Wanxian Jia, Rui Wu, Huan Yang, Shucheng Xie**
Water depth as a dominant control on the TEX86 in the South China sea
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SESSION S16

Technology and Exploration Development

ID	AUTHORS and PRESENTATION TITLE
S16-P01	Zi-Ke Jiang, Xinsheng Yu Spatial and Temporal Dynamic Monitoring of Oxygen in Sediment and Water Interface, From One Dimension to two Dimension
S16-P02	Seonghoon Moon, hyeong-tae Jou, chung-ho Kim, jin-soo Kim, han-joon Kim, hye-jin Moon Configuration of equipment to obtain 2-D high-resolution multi-channel seismic data: Application to the southern Yellow Sea
S16-P03	Ki-Ju Park, Dae-Choul Kim, Gwang-Soo Lee, Sung Ho Bae, Gil Young Kim Development of geoaoustic properties measurement system based on LabVIEW and PXI for marine sediment
S16-P04	Xinsheng Yu, Guangtao Zhao, Yuguo Li Development of Seabed Observing System for Deep Ocean
S16-P05	Liu Xiansan XuTao, Song Yongdong Discussion on automatically image masaicing for high definition digital pictures of deep sea based on ROV
S16-P06	Yosup park, Shin hu, Dong Hyun KIM, KWANG SEOK KWON Littoral Gap Filler : Cost effective kayak based swath bathymetric mapping system
S16-P07	T.H. Lee, K.H. Kim, K.B. Lee, W.S. Lee Numerical simulation of fluid implementing heat transfer in naturally fractured geothermal reservoir with DFN method

- S16-P08 **Yanyan Wang, Wei Zhang, Xinsheng Yu**
Particle Dynamic Monitoring Using an Underwater Digital Holographic System
- S16-P09 **Rachmi Kartini, won suk lee**
Preventing Wellbore Instability In Drilling Shale Formation By Using KCl Polymer Mud
- S16-P10 **ChangHwan Kim, GilMo Kang, ChanHong Park, HyunWook Kim, WonHyuck Kim, HyenYeong Park**
Shipborne mobile LiDAR (Light Detection And Ranging) system for monitoring beach erosion
- S16-P11 **WonHyuck Kim, ChangHwan Kim, MyungHoon Lee, ChanHong Park, HyeonHeong Park**
Submarine topography and seafloor image survey of Jukbyeon port in Uljin, South Korea using multi-beam echo sounder and side scan sonar
- S16-P12 **Jiang Xiaoying, Chen Xinrong**
Tracer calibration in stable oxygen isotope analysis
- S16-P13 **Abdullah Sulaiman, Noran Alwakhir Shaarani, Amin Noorasid Abdul Jalil, Mohd Rais Ramli, VijayanV.R**
Impact of Sand Mining Activities at Ramunia Shoal in Offshore Johore, Malaysia
- S16-P14 **Gwang-Soo Lee, So Ra Kim, Dae-Choul Kim, Seong-Pil Kim**
Physical and geoaoustic properties in the southwestern surficial sediments of the Ulleung Basin, the East Sea
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Hydrography and the Law of the Sea

ID	AUTHORS and PRESENTATION TITLE
S17-P01	Wen Wu, Shengkang Liang, Stuart Person, Dehai Song, Yingjie Ma⁵, Lulu Qiao A review of marine environmental changes and management for better achievement of Integrated Coastal Zone Management of Jiaozhou Bay, Qingdao, China
S17-P02	Young-Mi Yi, Dong-Geun Yoo, Nyeon-Keon Kang, Bo-Yeon Yi A study on distribution and origin of Quaternary Mass Transport Deposit in the Ulleung Basin, East Sea
S17-P03	Park hyun tak, Lee jeong min, Shim moon bo, Han kwang nam Analysis of geometric characteristics for naming of undersea features in the East Sea
S17-P04	Mihyang Jang, Yosoon Choi Analysis of wave power potential in the East Sea, South Korea
S17-P05	Hyuk-Soo Han Chirp (2-7 kHz) echo characteristics of the sea-floor around the Jeju Island, Korea
S17-P06	Moon-Soo Lim, Young-Kyo Seo Detection of sea bottom using STA/LTA ratio and low-pass filter in high-resolution shallow marine seismic data
S17-P07	Kwang-Seok Kwon, Dong-Hyun Kim, Cheon-Woo Hu Development of Amphibious Unmanned Mapping System for Continuous Topographic Survey in Coast and Inshore
S17-P08	Sung-Tae Jang, Ryong Hur, Ji Min Ko Development of marine forecast indices for supporting people's marine leisure activities

- S17-P09 **Hwa-Rang Kim, Dae Choul Kim, Young Kyo Seo, Gwang Soo Lee**
Geoacoustic and physical properties of marine sediment on the inner-continental shelf off the Kuem River Estuary, the Yellow Sea, Korea
- S17-P10 **Young-Jun Kim, Nam-Hyung Koo, Jeong-Ki Kim, Kab-Suk Seo, Snons Cheong, Su-Min Kim, Won-Sik Kim, Chan-Su Kim**
Optimal data processing sequence for chirp raw data and its field application
- S17-P11 **Yong-Joon Park, Nyeon-Keon Kang, Bo-Yeon Yi, Dong-Geun Yoo**
Origin and distribution of cut and fill structures in the southwestern margin of Ulleung Basin, East Sea
- S17-P12 **J.H. Jung, Y.K. Seo, M.S. Lim, K.O. Kim, D.C. Kim**
Physical and acoustical properties of offshore sediments at the three area (Ulsan, Pohang and Uljin), the East sea of Korea
- S17-P13 **Hoyun Kang, Joonseok Oh, Yong Baek**
Study about developing application procedure funded by IHO Capacity
- S17-P14 **So Ra Kim, Dae Choul Kim, Seong Pil Kim, Gwang Soo Lee, Hwa Rang Kim**
Temperature correction on physical and geoacoustic properties in surficial sediments of the Hupo Basin, the East Sea of Korea
- S17-P15 **Eunmi Chang, Kyeong Park**
The Enhanced Classification of Earth Globes
- S17-P16 **Gyeongmin Jo, Sewoong Oh**
A Study on the Development and Application of S-100 Test bed system
- S17-P17 **HyunSoo Troy Choi, SeWoong Oh, SunPhill Hwang, SunYoung Kim**
Development and Application of Customized MIOs
-

FIELD TRIPS

Temperate carbonate sediments in Jeju (Field trip A1(8, Oct), A2(9, Oct))



Fieldtrip leader: Prof. Kyung Sik Woo, Kangwon National University

Duration: 1 day

Departure place, date and time;

Jeju Grand Hotel, 8(A1) and 9(A2) October 2015, 9:00 a.m.

Return: Jeju Grand Hotel, 8(A1) and 9(A2) October 2015, 18:00

Transportation: Bus, Boat

Accommodation: Not included

Conditions: All outcrops are along footpaths or roads but good shoes for hiking are recommended

Number of participants: Minimum 20, maximum 30

Coast: 80 US\$ (including transport, lunch, beverage, and field guide book)

Description: The field trip will introduce Holocene temperate carbonate sediments in and around Jeju Island. Participants will be able to visit a beach with carbonate sands and nearby carbonate sand dunes. One carbonate beach on Udo Island is almost entirely composed red algal nodules and its geoheritage significance and paleoceanographic implications will be discussed. In addition, participants will visit one volcanic cone, volcanoclastic beach and one sea-cave on Udo Island.

Itinerary:

Stop A1 – Recent carbonate beach in Woljeongri and the oldest carbonate sand dune nearby (~4,500 yr BP)

Stop A2 – Carbonate sand dune with paleosols (~2,000 yr BP) in Deokcheonri

Stop A3 – Haenyeo Museum (<http://www.haenyeo.go.kr/english/?sso=ok>)

Lunch at Seongsanpo

Stop A4 – Red algal beach in Udo Island

Stop A5 – Someori Oreum (volcanic cone) in Udo Island

Stop A6 – Gummeolrae beach(volcanoclastic beach) and Dongangyeonggul(wavecut cave) in Udo Island

Traditional stone culture and UNESO World Natural Heritage sites in Jeju Island

(Field trip B1(8, Oct), B2(9, Oct))



Fieldtrip leader: Dr. Yongmun Jeon, JEJU World Natural Heritage Center

Duration: 1 day

Departure place, date and time; Jeju Grand Hotel, 8(B1) and 9(B2) October 2015, 9:00 a.m.

Return: Jeju Grand Hotel, 8(B1) and 9(B2) October 2015, 18:00

Transportation: Bus

Accommodation: Not included

Conditions: All outcrops are along footpaths or roads but good shoes for hiking are recommended

Number of participants: Minimum 20, maximum 30

Coast: 60 US\$ (including transport, food, and field guide book)

Description:

Jeju Stone Park : Jeju Stone Park is an ecological and cultural park that displays the history of stone culture pivotal to the history and culture of Jeju Island. Following the exhibition pathway, visitors will find stone sculptures such as Grandmother Seolmundae and Five Hundred Generals and traditional local thatched-roof houses amidst the forest.

Seongsan Ilchulbong Peak : Seongsan Ilchulbong Peak is designated as World Natural Heritage in 2007 as Jeju Volcanic Island and Lava Tubes by UNESCO. It rose from under the sea in a volcanic eruption over 5,000 years ago. Located on the eastern end of Jeju Island, there is a huge crater at the top of Seongsan Ilchulbong Peak. The crater is about 600m in diameter and 180m high. With the 99 sharp rocks surrounding the crater, it looks like a gigantic crown. While the southeast and north sides are cliffs, the northwest side is a verdant grassy hill that is connected to the Seongsan Village.

Itinerary:

Stop B1 – Jeju Stone Park

Stop B2 – Jeju Island World Heritage Center

Lunch at Jocheon area

Stop B3 – Manjanggul Lava Tube

Stop B4 – Seongsan Ilchulbong Peak(tuff cone)

Monogenetic eruptions of superposed tuff rings, scoria cones and lava flows at Chagwido, Jeju Island (Field trip C1(8, Oct), C2(9, Oct))



Fieldtrip leader: Young Kwan Sohn, Gyeongsang National University

Duration: 1 day

Departure place, date and time;

Jeju Grand Hotel, 8(C1) and 9(C2) October 2015, 9:00 a.m.

Return: Jeju Grand Hotel, 8(C1) and 9(C2) October 2015, 18:00

Transportation: Bus, Boat

Accommodation: Not included

Conditions: All outcrops are along rocky shores and hill slopes and good shoes

for hiking are recommended

Number of participants: Minimum 20, maximum 30

Coast: 70 US\$ (including transport, lunch, beverage, and field guide book)

Description: Chagwido is a small island (c. 400x900 m) approximately 1 km off the western coast of Jeju, consisting of tuff, scoria and lavas. Chagwido is the westernmost emergent volcanic landform associated with the Jeju Island Volcanic Field, which has been active over the past 1.8 Ma. Its rugged coastline and isolated islets and rocks provide a nearly complete exposure of the internal stratigraphy of the volcanic edifice. The field trip will illustrate the rather complex stratigraphy of the island and the deposit features of individual volcanic units, which resulted from alternating explosive and effusive volcanic eruptions and primary and secondary volcanoclastic sedimentation. The field relationship between these volcanic units will also be scrutinized in order to reconstruct the eruptive history of the island.

Itinerary:

Stop C1 – Jeju Hallim Park: The Hallim Park is a botanic garden with a pair of lava tube caves. It was founded in the 1970 and has attracted millions of visitors every years since then, including Chinese President Jiang Jemin in 1995 and Japanese Prime Minister Nakasone in **2000**.

Lunch at Hallim area

Stop C2 – Landing point at the eastern side of Chagwido: the interior part of a tuff ring (TR1 ph) consisting of inward-dipping lapilli tuff and tuff, overlain by a scoria deposit

Stop C3 – Southeastern edge of Chagwido: Welded to agglutinated lava spatter and dark red to brown scoria (TR1 sc) inside the crater of the TR1 ph tuff ring

Stop C4 – An erosional surface with a well-developed weathering zone and paleosol near stop 2, indicating a significant break in eruption between TR1 and TR2 eruptions

Stop C5 – Southern shore of Chagwido: A succession of lapilli tuff, tuff and lava from TR2 eruption, overlain by reworked volcanoclastic deposits (RT)

Stop C6 – Western side of Chagwido: A succession of yellow to grey lapilli tuff and tuff beds (TR2 ph) that grade upward into scoria-fall deposits (TR2 sc) interbedded with a lava flow unit (TR2 L)

Stop C7 – (Optional) Cliff section of Suwolbong tuff ring: A stack of thin-bedded lapilli tuff and tuff with numerous bedding sags

*Geodiversity on the southwestern coast of Jeju Island: from continental shelf to volcanic land
(Field trip D1(8, Oct), D2(9, Oct))*



Fieldtrip leader: Prof. Seok Hoon Yoon, Jeju National University

Duration: 1 day

Departure place, date and time; Jeju Grand Hotel, 8(D1) and 9(D2) October 2015, 9:00 a.m.

Return: Jeju Grand Hotel, 8(D1) and 9(D2) October 2015, 18:00

Transportation: Bus

Accommodation: Not included

Conditions: All outcrops are along footpaths or roads but good shoes for hiking are recommended

Number of participants: Minimum 20, maximum 30

Coast: 60 US\$ (including transport, lunch, beverage, and field guide book)

Description: The field trip will visit various sedimentologic and volcanic sites along the southwestern coast of the Jeju Island. The focus is set on the geodiversity of the island from marine fossil sites to different types of volcanic craters (i.e., tuff ring and cone, maar and lava dome) as well as superb scenery of the coastline. These will offer an understanding about how the island has been built and changed for the last 1.8 million years.

Itinerary:

Stop D1 – Seogwipo Formation

Stop D2 – Cheonjiyeon Waterfall

Stop D3 – Hanon Maar

Lunch at Jungmun area

Stop D4 – Jisatgae Columnar-Jointed Lava

Stop D5 – Sanbangsan Lava Dome and Yongmeori Tuff

Stop D6 – Songaksan Tuff Ring and Hamori Formation





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