

## Joint International Symposium on Sustainable Development and Environmental issues

Join Usage/Joint Research Symposium on Integrated Environmental Studies		
<b>17 December 2019</b>		<b>Chair: Noriko HASEBE</b>
<b>13:00 - 13:10</b> <span style="float: right;"><b>Welcome address by Prof. Koetsu YAMAZAKI, President of Kanazawa University</b></span>		
<b>13:10 - 13:15</b>	Seiya NAGAO, Kanazawa University	Introduction of the international symposium "Integrated Environmental Studies"
<b>13:15 - 13:20</b> <span style="float: right;"><b>Ptoto session</b></span>		
<b>Session 1: Atmospheric Environment session</b>		<b>Cair: Atsushi MATSUKI</b>
<b>13:20 - 13:40</b>	Min HU, Peking University	Characteristics of chemical compositions of ambient PM2.5 across the Taiwan strait
<b>13:40 - 14:00</b>	Ning TANG, Kanazawa University	Distribution and health risk of indoor and outdoor particulate polycyclic aromatic compounds of a school classroom in Beijing, China.
<b>14:00 - 14:20</b>	Bin CHEN, Chinese Academy of Sciences	Variation of the properties of atmospheric aerosols in typical Asian desert regions
<b>14:20 - 14:40</b>	E. MUMKHTSETSEG, National University of Mongolia	Saltation flux patterns during dust and sand storm periods in Mongolia
<b>14:40 - 15:40</b> <span style="float: right;"><b>Poster session partly supported by MJEDD program</b></span>		
<b>Session 2: Integrated Environment</b>		<b>Chair: Shinya OCHIAI</b>
<b>15:40 - 16:00</b>	Koji HAMASAKI, Tokyo University	Dynamics of microbes and organic matter at the air-sea interface: insights from an observational study in Tsukumo Bay, Noto Peninsula, Japan
<b>16:00 - 16:20</b>	Hisanori IWAI, Kanazawa University	Separation of polycyclic aromatic hydrocarbon associated with humic substances
<b>16:20 - 16:40</b>	Jr-Chuan HUANG, National Taiwan University	More Efficient Carbon Sink via Chemical Weathering in Low-mountains than High-mountains under Climate Change
<b>Session 3: Marine Environmnet</b> <span style="float: right;"><b>Chair: Mutsuo INOUE</b></span>		
<b>16:40 - 17:00</b>	Alexsandr CHARIN, V.I. Il'chev Pacific Oceanological Institute, FEBRAS	Hydrochemistry and isotopic signatures of submarine groundwater discharge at a section along the Lena River Delta, Laptev Sea
<b>17:00 - 17:20</b>	Genji TERAUCHI, Northwest Pacific Region Environmental Cooperation Center	Spatio-temporal variability of seagrass beds detected by remote sensing in western Nanao Bay
<b>17:20 - 17:40</b>	Tetsuya MATSUNAKA, Kanazawa University	Spatial distribution of seawater polycyclic aromatic hydrocarbon concentrations in Japan Sea
<b>18 December 2019</b>		
<b>Session 4: Marine Environment 2</b>		<b>Chair: Toshio SEKIGUCHI</b>
<b>9:30 - 9:50</b>	Mutsuo INOUE, Kanazawa University	Seawater circulation in the Sea of Japan: Implications from radiocesium
<b>9:50 - 10:10</b>	Hiroto KAWASHIMA, Akita Prefectural University	Source identification for pollution in various environment using stable isotope
<b>10:10 - 10:30</b>	Edward G. NAGATO, Shimane University	Understanding the growth of microplastics in the aquatic environment
<b>10:30 - 10:50</b>	Witsaroot Sripumkhai, National Electronics and Computer Technology Center	Superhydrophobic surface with antifouling properties for marine applications
<b>10:50 - 11:10</b> <span style="float: right;"><b>Break</b></span>		
<b>Session 5: Human Health &amp; Ecosystem</b>		<b>Chair: Ning TANG</b>
<b>11:10 - 11:30</b>	Masato HONDA, Kanazawa University	The pollution of Neonicotinoid insecticides in human around Japan sea area
<b>11:30 - 11:50</b>	Chong HAN, Northeastern University	Size dependence of the physical characteristics of particles containing refractory black carbon in diesel vehicle exhaust
<b>11:50 - 12:10</b>	Xia MENG, Fudan University	Estimating PM2.5 concentrations in Northeast China using an integrated random forest approach
<b>12:10 - 12:20</b> <span style="float: right;"><b>Closing remarks by Prof. Seiya NAGAO, Kanazawa University</b></span>		

Chozen International Symposium on Transboundary Pollution at North-South Transect at Marginal Sea in western Pacific Ocean		
18 December 2019		
		Chair: Noriko HASEBE
13:30 - 13:40	Welcome speech by Prof. Chisato MUKAI, vice president of Kanazawa University	
13:40 - 14:00	Seiya NAGAO, Kanazawa University	Overview of the project "Spatial distribution of trans-boundary pollution and related environmental phenomena in marginal sea area of western Pacific Ocean"
Session 1: Atmospheric Environment		Chair: Yayoi INOMATA
14:00 - 14:20	Kazuichi HAYAKAWA, Kanazawa University	Recent Atmospheric Pollution Caused by Polycyclic Aromatic Hydrocarbons in Far-Eastern Asia — Japan-China-Korea-Russia International Collaboration Study —
14:20 - 14:40	Pham Chau THUY, Vietnam National University of Agriculture	PAHs and NPAHs emission from open burning of rice straw in Hanoi, Vietnam
14:40 - 15:00	Stephen B. POINITNG, Yale NUS	Global Atmospheric Microbiome. The content will be transboundary changes in airborne microbial populations
15:00 - 15:20	Teppe J. YASUNARI, Hokkaido University	Wildfire smoke transport to Hokkaido, and our portable PM2.5 sensor system for cold regions
15:20 - 15:40	Break	
Session2: Marine Environment		Chair: Usio NISHIKAWA
15:40 - 16:00	Nobuo SUZUKI, Kanazawa University	Biological effect of the polycyclic aromatic hydrocarbons (PAHs) : Toxic analysis for the aquatic animals
16:00 - 16:20	Tatiana CHIZHOVA, V.I. Il'chev Pacific Oceanological Institute, FEBRAS	Pollution status of PAHs in surface water of the northwestern coastal zone of the Japan Sea
16:20 - 16:40	Toshio SEKIGUCHI, Kanazawa University	Investigation of the effect of Polycyclic Aromatic Hydrocarbons on marine invertebrates
16:40 - 17:00	Masato HONDA, Kanazawa University	Biomonitoring of PAH pollution in intertidal area using Wharf roach
17:00 - 17:20	Hiroyuki NAKAMURA, Kanazawa University	Effects of Environmental Chemicals on Allergic Diseases
18:30 - 20:30	BANQUET at hotel KKR	
		Chair: Yoichiro KITANI
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Session 3: North-Soth transect network		Chair: Shinji TSUKAWAKI
9:30 - 9:40	Seiya NAGAO, Kanazawa University	Importance of global research network on atmosphere-marine linkage studies from north to south transect
9:40 - 10:00	Yasushi FUKAMACHI, Hokkaido University	Studies of the Arctic Ocean at Hokkaido University
10:00 - 10:20	Tung-Yuan HO, Research Center for Environmental Changes, Academia Sinica, Taiwan	PM 2.5 trace metal biogeochemistry in the Northwestern Pacific Ocean
10:20 - 10:40	Koji SUZUKI, Hokkido University	Seasonal changes in phytoplankton assemblages and their controlling factors in surface waters of the North Pacific Ocean
10:40 - 11:00	Coffee Break	
Session 3 (continues): North-Soth transect network		Chair: Keisuke FUKUSHI
11:00 - 11:20	Yugo KANAYA, Japan Agency for Marine-Earth Science and Technology	Evolution of regional air pollution in East Asia: Elucidation of BC emission trend and broadening scope to the Arctic/open oceans
11:20 - 11:40	Ario DAMAR, Bogor Agricultural University, Indonesia	The Eutrophication Status of Jakarta Bay and its Effects on Environment : Oxygen Depletion and Algae Bloom
11:40 - 12:00	Keiichiro HARA, Fukuoka University	Atmospheric sea-salt and halogen chemistry in the Antarctic region
12:00 - 12:20	So KAWAGUCHI, Australian Antarctic Division	Antarctic krill in the Southern Ocean ecosystem: its role and importance
12:20 - 12:40	Barbara BOLLARD, Auckland University of Technology	Low altitude remote sensing for mapping nearshore marine environments
12:40 - 12:50	Poster Award Ceremony	
		Chair: Tetsuya MATSUNAKA
12:50 - 13:00	Closing remarks by Prof. Seiya NAGAO, Kanazawa University	