

**11<sup>th</sup> December, 2014/Auditorium**

9:00~9:30	Registration	
9:30~9:40	Opening Remark	<i>Prof. Joji Ishizaka/Dr. Yu-Hwan Ahn</i>
9:40~9:50	Welcoming Remark	<i>Dr. Young-Je Park</i>

**10:00~11:20 Session I : Ocean Color Space Programs**

10:00~10:20	Development of the next geostationary ocean color imager, GOCI-II	<i>Young-Je Park, Seongick CHO, Ki-Beom Ahn, Eunsong Oh, and Yu-Hwan Ahn</i>
10:20~10:40	Preparation Status of GCOM-C	<i>Hiroshi Murakami</i>
10:40~11:00	VIIRS Ocean Color Products	<i>Menghua Wang, Lide Jiang, Xiaoming Liu, SeungHyun Son, Wei Shi, Liqin Tan, Puneeta Naik, Junqiang Sun, Xiao-long Wang, and Veronica Lance</i>
11:00~11:20	Enhancing Oceanographers' Big Data Handling Capabilities	<i>Ryong Lee, Kyongseok Park, Myung-Seok Choi, Sang-Hwan Lee, and Won-Kyung Sung</i>

**11:20~11:40 Coffee break**

**11:40~13:00 Session II : Ocean Optics**

11:40~12:00	Optical properties in the Yangtze estuary and adjacent areas: observation and modeling	<i>Fang Shen, Leonid Sokoletsky, and Yunxuan Zhou</i>
12:00~12:20	Water clarity assessment of the Bohai Sea based on remotely sensed Secchi depth during 2003-2013	<i>Shaoling Shang, Jushi Zhang, Guomei Wei, Gong Lin, Xueding Li, Yindong Zeng, Faling Lin, and Shaoping Shang</i>
12:20~12:40	Comparison of techniques to measure CDOM absorption spectra	<i>T. Hirawake, Y. Yamashita, T. Hirata, A. Fujiwara, K. Tanaka, H. Waga, R. Futsuki, Y. Mizuno, and N. Teramoto</i>
12:40~13:00	Validation of Geostationary Ocean Color Instrument (GOCI) Radiometric Products of GDPS 1.3 Using In-situ Measurements and MODIS data.	<i>Wonkook Kim, Jeong-Eon Moon, Jea-Hyun Ahn, Boram Lee, and Young-Je Park</i>

**13:00~14:20 Lunch**

**14:20~14:40 Session III : Phytoplankton Dynamics(1)**

14:20~14:40	Preliminary assessment of eutrophication in the Northwest Pacific using remotely sensed chlorophyll-a from 1998 to 2012: A comparison of ocean color algorithms	<i>Genki Terauchi, Youngjiu Xu, and Joji Ishizaka</i>
-------------	---	---

14:40~15:00	Long-term variation of SeaWiFS/MODIS chlorophyll-a in the Southern Ocean <i>Eunho Ko, Jisoo Park, and Hyun-cheol Kim</i>
15:00~15:20	Comparisons between Spatial-Temporal Characteristics of Chlorophyll-a Measured by GOCI and MODIS <i>Hyuna Kim and Young-Heon Jo</i>
15:20~15:40	Incorrect temporal fluctuation of chlorophyll-a concentration from GOCI <i>Mitsuhiro Toratani and Ryo Tamazki</i>

### 15:40~17:00 Poster Session

- 1 VIIRS Ocean Color Data Visualization and Processing with IDL-based NOAA-SeaDAS  
*Xiaolong Wang, Xiaoming Liu, Lide Jiang, Menghua Wang, and Jinqiang Sun*
- 2 VIIRS RDR to SDR Data Processing for Ocean Color EDR  
*Liqin Tan, Menghua Wang, Jinqiang Sun, and Lide Jiang*
- 3 Light Absorption in Turbid Waters of East Coast of China: Robust retrieval, spatial pattern, and diurnal and seasonal variability  
*Tingwei Cui, Jie Zhang, Junwu Tang, Nima Pahlevan, Qingjun Song, Song Qing, Xiaoqing Cai, Bing Mu, Ping Qin, and Quanbin Wang*
- 4 Spatial distribution of seasonality of SeaWiFS chlorophyll-a concentrations in the East/Japan Sea  
*Chun Ok Jo, Sunyoung Park, Young Ho Kim, Kyung-Ae Park, Jong Jin Park, Mi-Kyung Park, Shanlan Li, Ji-Eun Park, Haeyoung Lee, Chulkyu Lee, and Kyung-Ryul Kim*
- 5 Physical-biological interaction in Ross Sea polynya using satellite observations  
*Dae-Hyuk Lee, Young-Heon Jo, JinKu Park, and Hyunchul Kim*
- 6 MTF assessment and compensation for coastal water application with GOCI  
*Eunsong Oh, Hyun-Yang, Jong-Kuk Choi, and Young-Je Park*
- 7 The Variation Analysis of GOCI-derived Ocean Color Fronts  
*Hyun Yang, Jong-Kuk Choi, and Young-Je Park*
- 8 Variations of Phytoplankton Communities in Tsushima Strait and the East China Sea derived by HPLC pigments  
*Qian Xu, Joji Ishizaka, and Chiho Sukigara*
- 9 Effect analysis of Cold water the East sea of Korean Peninsula using Satellite SST data  
*Suk Yoon, Hyun Yang, Jong-kuk Choi, Young-Je Park, and Jae Hoon Noh*
- 10 GOCI fluorescence line height observations and simulations in coastal water  
*Jae-Hyun Ahn, Wonkuk Kim, Boram Lee, and Young-Je Park*
- 11 Comparison between GOCI and OC-CCI data set for application of GOCI to phytoplankton phenology study  
*Kwangseok Kim, Il-Ju Moon, Marie-Fanny Racault, and Young-Je Park*
- 12 Validation of modified MUMM atmospheric correction in extremely turbid water  
*Boram Lee, Jae-Hyun Ahn, and Young-Je Park*
- 13 High Resolution Ocean Color products estimation in fjord of Svalbard, Arctic Sea using Landsat 8 OLI data

*Sang-il Kim, Hyun-cheol Kim, Sang-Hoon Hong, Chang-Uk Hyun,  
Jeong-won Park, Hong-lyun Park, and Ho-joon Park*

14 Intertidal Mosaic Image and Digital Elevation Model Generation Using Unmanned Aerial Vehicle

*Bumjun Kim, Seong-Been Cho, Yoon-kyung, and Jong-Kuk Choi*

15 Enhancing Oceanographers' Big Data Handling Capabilities

*Ryong Lee, Kyongseok Park, Myung-Seok Choi, Sang-Hwan Lee, and Won-Kyung Sung*

#### 17:00~18:20 Session IV : Phytoplankton dynamics(2)

17:00~17:20 Seasonal Variation of Satellite Chlorophyll-a in Ise/Mikawa Bay, Japan, After Regional Adjustment of Atmospheric Correction

*Masataka Hayashi and Joji Ishizaka*

17:20~17:40 Seasonal and interannual variability of surface chlorophyll a concentration in the Ulleung Basin, East Sea

*Soonmi Lee, Sinjae Yoo, Chanjoo Jang, and M. Butenshon*

17:40~18:00 Time-series variation of size-fractionated plankton using GOCI data around the area of Northwest Pacific Ocean

*Jee-Eun Min, Joo-Hyung Ryu, Jong-Kuk Choi, Young-Je Park, Jae-Hoon Noh,  
Robert J.W. Brewin, and Shubha Sathyendranath*

18:00~18:20 Phytoplankton dynamics in marginal ice zone of the Southern Ocean

*Takahiro Iida, Sanae Morimoto, and Satoru Taguchi*

#### 18:40~20:00 Welcome Reception

### 12<sup>th</sup> December, 2014/Auditorium

#### 09:10~10:20 Session V : Ocean Productivity

09:10~09:30 Satellite-Measured Net Primary Production in the Chesapeake Bay from MODIS and VIIRS

*SeungHyun Son, Menghua Wang, and Lawrence W. Harding, Jr.*

09:30~09:50 Comparative Productivity of the Yellow Sea, East China Sea, and the East Sea LMEs

*Sinjae Yoo and Young Baek Son*

09:50~10:10 Atmospheric deposition another source of nutrient determining phytoplankton biomass interannual variability in the eastern Indian Ocean

*Eko Siswanto*

10:10~10:30 Study of Interactions between Sea Surface Temperature and Chlorophyll-a based on EOF Analysis around the Korean Peninsula Using Satellite

*Jong-Seok Lee and Young-Heon Jo*

#### 10:30~10:50 Coffee break

#### 10:50~12:30 Session VI : Atmosphere and Cloud

10:50~11:10 Developing cloud fill algorithm using artificial neural network

*Young-Heon Jo, Dae-Won Kim, Hyuna Kim, and Jinku Park*

- 11:10~11:30    Toward comprehensive test set for cloud-affected pixels in GOCI ocean color imagery  
*Hajime Fukushima*
- 11:30~11:50    Improvement of GOCI Yonsei Aerosol retrieval algorithm and validation during DRAGON campaign: Surface reflectance issue according to land, clear water and turbid water  
*Myungje Choi, Jhoon Kim, and Jaehwa Lee*
- 11:0~12:10    Applications of geostationary ocean color imager (GOCI) data on solar power density analysis over the Western Pacific  
*Hsiao-Wei Chung, Cheng-Chien Liu, and Kung-Hwa Wang*
- 12:10~12:30    Recent status of the GOCI standard atmospheric correction  
*Jae-Hyun Ahn, Wonkook Kim, Boram Lee, and Young-Je Park*

**12:30~13:40    Lunch**

**13:40~15:00    Session VII : Marine Applications**

- 13:40~14:00    Interannual variation of giant jellyfish abundance in the Yellow Sea and East China Sea: a quantitative analysis with satellite data  
*Yongjiu Xu, Joji Ishizaka, and Shinichi Uye*
- 14:00~14:20    Red tide detection & forecasting techniques by the GOCI images  
*Yu-Hwan Ahn, Hyun Yang, Jae-Hyun Ahn, and Young-Je Park*
- 14:20~14:40    Tracing Floating Green Algae Blooms in the Yellow Sea and the East China Sea using GOCI satellite data and Lagrangian Transport Simulations  
*Young Baek Son, Byoung-Ju Choi, Yong Hoon Kim, and Young Gyu Park*
- 14:40~15:00    Analysis of Large Red Tide Bloom off the South East/Japan Sea Using Multi-Satellite Measurements in the Summer of 2013  
*Dae-won Kim and Young-Heon Jo*

**15:00~18:00    \*Site Visit : Sihwa Lake Tidal Power Station**

**18:00~20:00    Banquet**