

6/22 (Wed)	Session #1	Session #2	Session #3
	Session Chair : Kyung Suk Suh	Session Chair : Garry Seghers	Session Chair : Dong Young Lee
13:30~15:00	IWSS-S01-1 Estimation of sea surface depositions in the Pacific Ocean by radioactive material released into the atmosphere from the Fukushima nuclear accident Kyung Suk Suh, Kihyun Park, Byung Mo Yang, Sora Kim, Byung Il Min	IWSS-S02-1 Aquatic survival programme Garry Seghers, Tom Mecrow	IWSS-S03-1 Non-hydrostatic simulation of a rip current Jian Shi, Chaofeng Tong
	IWSS-S01-2 Validating the applicability of MACCS2 on the assessment of radionuclide deposition over the ocean in Fukushima Daiichi nuclear power plant accident case Sora Kim, Byung-Il Min, Kihyun Park, Byung-Mo Yang, Kyung-Suk Suh	IWSS-S02-2 Teaching water safety in a multicultural environment David Speechley	IWSS-S03-2 The numerical study of rip current generation at Daechon Beach located on the West coast of Korea Jong-Joo Yoon
	IWSS-S01-3 Hydrodynamic simulations of a macro-tidal area using particle tracking methods for safe recreational water activities Seung Won Suh, Jin Su Seok, Hwa Young Lee	IWSS-S02-3 Developing a high-performance team training method (modified "pit crew") for drowning response by lifeguards when the number of responders, timing of arrival on scene, and equipment may vary Jill E. White, Lake White	IWSS-S03-3 Field observation and numerical modelling of rip currents under in the pocket beach Sungwon Shin, Jungmin Nam, Sangyoung Son, Tae-Hwa Jung
	IWSS-S01-4 GOCI observations and WRF modeling of atmospheric Kármán vortex streets around Jeju Island Tae-Ho Kim, Chan-Su Yang, Kyeong Ok Kim	IWSS-S02-4 Research on present situation of water survival teaching in universities: A case study of university swimming course in Guizhou Province Sheng Yi Ma, Chun Tao Jia	IWSS-S03-4 The effects of offshore shoals on rip current generation in an embayed beach Guoxiang Wu, Bingchen Liang, Huajun Li, Dong Young Lee
	Session #4 Session Chair : In Joo Yoon	Session #5 Session Chair : Am Jang	Session #6 Session Chair : David Speechley
	IWSS-S04-1 A review of beach safety facilities in Korea: implications for management In Joo Yoon, Jang Won Hong	IWSS-S05-1 The fouling characteristics of mixture NOMs on the microfiltration ceramic membrane Kyung-Jo Kim, Am Jang	IWSS-S06-1 GIS-based spatial analysis of maritime accidents database in the coastal zone of Korea Dong-Ha Lee, Tri Dev Acharya, Jin-Sang Hwang
15:30~17:00	IWSS-S04-2 Assessing economic value of beach restoration : the case of Song-do Beach in Korea Jeong In Chang, Sungsoo Yoon	IWSS-S05-2 Characterizing the sources affecting abundance of taste and odour compounds at primary river systems in Korea through a combination of Monte Carlo simulation and self-organizing map Inhyeok Yim, Seo Jin Ki, Bum Jo Kim, Joan Ha Kim	IWSS-S06-2 A study on the functional improvement of the DGNSS Reference station for provision of maritime safety information Wonseok Jang, Hansan Park, Kiyeol Seo
	IWSS-S04-3 A study on the safety of the management of the Natatoriums in China Jin Yang Su, Chong Jia	IWSS-S05-3 Recovery of organic acid from food wastes by MF combined RO system Won-Hee Lee, Imran Ali, Jong-Oh Kim	IWSS-S06-3 Safety accident reduction plan from marine leisure activities in accident risk areas through the development and installation of floating type drifting object (lifesaving ship (RESCUE 122 tentatively)) Jae Hyung Lee, Tae Ho Kim, Kang Bon Goo, Jae Hyun Ha
	IWSS-S04-4 Perception of safety as a mediator in the relationship among service quality, satisfaction, and behavioral intention at Korean beach sites Min Seok Lee, Sung Bum Chun, Chul Won Lee, Chanmin Park, Min Jeong Kim	IWSS-S05-4 Effect of doping sulfated-FlO2 nanomaterials on properties of polyethersulfone mixed matrix membrane for water treatment Jing Guo, Jeonghwan Kim	IWSS-S06-4 Improvement plan through the analysis of marine lifesaving educational course and status of domestic marine leisure safety education groups Gwi Baeg Kim, Jae Hyung Lee, Sung Gill Kim, KangHoon Seok, YunSeok, Choi

6/23 (Thu)	Session #7	Session #8	Session #9
	Session Chair : Amit Lotan	Session Chair : Tom Griffiths	Session Chair : Daniel Schaffer
10:00~11:30	IWSS-S07-1 Understanding characteristics of upward and downward flows in coral reef region for safety of recreational diving Woo Dong Lee, Sung Gill Kim, Jae Hyung Lee, Dong Soo Hur	IWSS-S08-1 Research on risk management of swimming training for children : Taking Guizhou Province as an example Chong Jia, Yong Ding	IWSS-S09-1 Flow and sediment transport with non-submerged riparian vegetation in 1D scheme Ho Seong Jeon, Makiko Obana, Kyu Ho Kim, Tetsuro Tsujimoto
	IWSS-S07-2 Environmental impact assessment of land use change in coastal areas of China's Jiangsu Province in recent 10 years Bao GuiYe, Gao YongNian, Huang He	IWSS-S08-2 A research on the related problems of the construction of the safety guarantee system of the school swimming courses Li Zheng, Sheng Yi Ma	IWSS-S09-2 Effects of coagulant with different basicity on membrane-based biological treatment for removing phosphorus from municipal wastewater Eui-Jong Lee, Hyungsoo Kim
	IWSS-S07-3 Total volatile organic compounds (Benzene, Toluene, Ethylbenzene, and Xylene) in surface sediments from barrier islands in the Nakdong River estuary, South Korea Jun-Ho Lee, Han Jun Woo, Kap-Sik Jeong, Kap Song Park	IWSS-S08-3 Analysis on the Status of drowning South Korea EunHo Shin	IWSS-S09-3 Experimental investigation on wave elimination through flexible plants Zegao Yin, Xiaoyu Yang, Yuanzhao Xu, Zhenlu Wang, Haixiang Lu
	IWSS-S07-4 Effect of power cooling water to the ecosystem of Youngil Bay and Hyeongsan river estuary in South Korea Woo Dong Lee, Myeong-Gyu Kim, Tae-Woo Kim, Dong-Woo Ko, Jong Sung Yoon	IWSS-S08-4 A study on the awareness change of CPR(Cardiopulmonary Resuscitation) analysis of training the effects on public CPR Training in metropolitan Seoul, from 2010-2015 HyeMi Kim, Dae Young Kang, Taekeun Kim	IWSS-S09-4 Evaluation of granulated coal ash as artificial seabed for eelgrass Shinya Nakashita, Kenji Nakamoto, Yoshinori Koshikwa, Kyunghoi Kim, Tadashi Hibino

	Session #10	Session #11	Session #12
	Session Chair : Hyun-Doug Yoon	Session Chair : Sungwon Shin	Session Chair : Ki-young Heo
13:30~15:00	IWSS-S10-1	IWSS-S11-1	IWSS-S12-1
	Experiment on stable weight of concrete armor unit at convex corner at breakwater trunk area	Development of meteotsunami monitoring system using the atmospheric pressure jump detection algorithm	A study on development of numerical model for preventing coastal flooding in Jakarta bay, Indonesia
	Young-Taek Kim, Jong-In Lee, Yonguk Ryu	Seung-Buhm Woo, Eun-Pyo Lim, Si-Baek Lee, Sunghyup You, Myung-Seok Kim	Hansan Park, Jinyong Choi, Ki-Young Heo
	IWSS-S10-2	IWSS-S11-2	IWSS-S12-2
	Design of the submerged breakwaters for the beach protection	Trend estimation or regional sea-level in Korea using empirical mode decomposition and its variations	A study on national and local risk analysis of natural disasters in Korea
	Yijie Chen, Zhaoyan Xu, Dong Young Lee	Hongyeon Cho, Kyeong Ok Kim, Han Soo Lee	Byung-Mo Yang, Kyung-Suk Suh, In-Gyu Kim, Jiyeon Kim, Byung-Il Min
	IWSS-S10-3	IWSS-S11-3	IWSS-S12-3
	Stability of seawall armoured with perforated pattern concrete slab	Long-term variations of annual sea level and maximum surge height at Korean coast	Synoptic study on search and rescue modeling at beaches during tsunami events
15:30~17:00	IWSS-S10-4	IWSS-S11-4	IWSS-S12-4
	Yanqiu Meng, Chaofeng Tong, Guoping Chen, Shichang Yan, Qingfeng Zhang	Do-Youn Kim, Sang-Hoon Park, Seung-Buhm Woo, Kwang-Young Jung, Eunil Lee	Jin-Yong Choi, Jung-Woon Choi, Ki-Young Heo, Taemin Ha
	Kinematics of overtopping flow on breakwater top	Study on the characteristic of tidal current at Uldolmok, Korea	A study on efficient deployment of disaster resources at Busan Haeundae Beach
	Yonguk Ryu, Tae-Hwa Jung, Young-Taek Kim	Jun Soek Park, Jin Soon Park, Kwang Soo Lee, Jung Lyul Lee	Woon-Chul Jung, Hong Sik Yun, Jae-Joon Lee
	Session #13	Session #14	Session #15
	Session Chair : Sangyoung Son	Session Chair : Won Chul Cho	Session Chair : Sung Bum Yoon
	IWSS-S13-1	IWSS-S14-1	IWSS-S15-1
	An observational and numerical study of storm-induced morphologic changes at Sanpo Beach, Korea	UAV application for process control of the reclamation project	Efficacy of adaptive mesh refinement method for tsunami run-up modelling
15:30~17:00	IWSS-S13-2	IWSS-S14-2	IWSS-S15-2
	Sangyoung Son, Jinhoon Kim, Hyun-Doug Yoon, Tae-Hwa Jung, Sungwon Shin	Jae one Lee, Jung Ok Kim, Jae Kang Lee	Han Soo Lee
	Shoreline changing analysis using airborne LIDAR bathymetry for coastal monitoring	Analysis and mapping of swimming safety zone by beach monitoring	Selection of ship evacuation area to construct tsunami emergency action plan
	Hyunsuk Kim, Suk Bae Lee, Kwan-Sik Min	Hyung-Seok Lee, In Ho Kim	Myeong Hwan Jho, Gun Hyeong Kim, Seung Gyu Hyun, Sung Bum Yoon
	IWSS-S13-3	IWSS-S14-3	IWSS-S15-3
	Shoreline change monitoring using high resolution digital photogrammetric technique	Numerical modelling of large swell waves using different atmospheric reanalysis data in East Sea	A study on the numerical weather modelling for the coastal disaster by the meteo-tsunami in the Yellow Sea, South Korea
	Yushin Ahn, Bumshick Shin, Kyu-Han Kim	Taemin Ha, Ki-Young Heo, Jung Sook Jeon, Seokkoo Kang	Hyunsu Kim, Myung-Seok Kim, Ho-Jae Lee, Seung-Buhm Woo, Yoo-Keun Kim
	IWSS-S13-4	IWSS-S14-4	IWSS-S15-4
	Characteristics of wave run-up and beach profile change with abnormal wind velocity condition	Analysis of coastal erosion and establishment of countermeasure in Sanpo-Ri, Uljin-Gun using field survey and measurement data	Shock capturing shallow water model for long waves generated by a moving atmospheric pressure across a straight shoreline on a sloping beach
15:30~17:00	IWSS-S13-5	IWSS-S14-5	IWSS-S15-5
	Kyu-Han Kim, Kyu-Tae Shim	Hyeong Jun Kim, Won Kyung Park, Won Chul Cho	Young-Kwang Choi, Seung-Nam Seo

6/24 (Fri)	Session #16	Session #17	Session #18
	Session Chair : Han Soo Lee	Session Chair : Tae-Soon Kang	Session Chair : Dong-Ha Lee
09:00~10:30	IWSS-S16-1	IWSS-S17-1	IWSS-S18-1
	The investigation of swash motion and wave run-up based on 2D wave flume experiment	Modeling research on stratification-mixing mechanism in Pearl River estuary , China	Real scale experiments on vehicle and pedestrian swept away due to rapid flows
	Zhaoyan Xu, Jun Wang, Bingchen Liang, Yujie Chen	Chaofeng Tong, Li Lei, Bo Wang, Yanqiu Meng	Dojoon Jung, Joongu Kang, Hong-Koo Yeo, Yonguk Ryu
	IWSS-S16-2	IWSS-S17-2	IWSS-S18-2
	Reflection of long waves from coastal area in surge modeling	Evaluation of loss estimation due to the inundation height in Haeundae Beach, Busan	Beach profile and shoreline measurements by using unmanned aerial vehicle
	Sae Chan Oh, Choong Hun Shin, Sobeom Jin, Sung Bum Yoon	Seung-hyun Eem, Junghyun Park	Jungmin Nam, Sunil Park, JunghoChoi, Juncheon Kim
	IWSS-S16-3	IWSS-S17-3	IWSS-S18-3
	Numerical studies of effects of submerged breakwater on wave overtopping	Long-term effectiveness of coastal sand dune in the estuary barrier island	Analysis on tidal channels using UAV images: Focused on the West coast, South Korea case analysis
09:00~10:30	IWSS-S16-4	IWSS-S17-4	IWSS-S18-4
	Zhenlu Wang, Zegao Yin, Yujie Chen, Bo Yang	Junghyun Park, Han-sam Yoon, Seung-hyun Eem	Jae one Lee, Jung Ok Kim, Jae Kang Lee
	Numerical modelling of wave run-up with interaction between wave and dolosse breakwater	The characteristic of wind data and sensitivity analysis of wave model for hindcasting wave model	Analysis of Hu-moments invariants using captured image frames by CCD camera for detecting of wave period
	Bingchen Liang, Shuai Ma, Xinying Pan, Dong Young Lee, Yujie Chen	Ho-Sik Eum, Jong-Jip Park, Tae-Soon Kang	Jongchul Yoon, Jinhoon Kim, Dongseob Song