

# CONFERENCE-INTERNATIONAL CONFERENCE ON WATER RESOURCES AND COASTAL ENGINEERING

Location: The University of Da Nang – University of  
Science and Technology

Time: 25-26/04/2019

## SESSION 1: WATER RESOURCES ENGINEERING

**Chair session: Prof. Nguyen Van Thanh Van/ Assoc. Prof. Nguyen Chi Cong**

**Secretary: Mr. Luu Duy Vu/ MrS. Vu Thi Tinh**

No	Time	Presentation	Authors	Remarks
1	13h30-13h50	Hydrologic alteration under anthropogenic and climate changes in Vu Gia – Thu Bon	Vu Thi Tinh, J.Kiesel, B.Guse, N.Fohrer	
2	13h50-14h10	Studies On The Causes Of Landslides For Mountainous Regions Of The Central Coast Vietnam	Vo Nguyen Duc Phuoc, Nguyen Quang Binh, Pham Dinh Hung, and Nguyen Chi Cong	
3	14h10-14h30	Utilization of Mosques as a part of Early Warning Systems to Reduce Flood Damages in Samarinda City, Indonesia	Riyan Benny Sukmara & Ray Shyan Wu	
4	14h30-14h50	Modelling nutrient dynamics in a tropical estuary under human pressure: case study of the Saigon tidal River (Southern Vietnam)	An Truong Nguyen, Julien Némery, Nicolas Gratiot, Goulven Laruelle, Vincent Thieu and Josette Garnier	
5	14h50-15h10	Detecting water levels from a cheap camera	Luu Duy Vu	
<b>Tea Break</b>				
6	15h30-15h50	Applying Semi Distribution Hydrological Model Swat To Assess Hydrological Regim In Lai Giang Catchment, Binh Dinh Province, Vietnam	Nhan Duc TRAN THANH, Ngoc Long NGUYEN, Quang Binh NGUYEN, Ngoc Duong VO	
7	15h50-16h10	Optimization Model For Operated Hydropower Stations In Northern Region Of Vietnam Included Transmission Losses.	Ngo Van Dung, Vu Huu Hai and Le Tat Tu	
8	16h10-16h30	An Experimental Study On The One-Dimensional Flow Under	Phuc-Hau Huynh, The-Hung Nguyen,	

		The Influence Of Vertical Velocity In The Bed	and Thi-Nam Nguyen	
9	16h30-16h50	Tracking Dissolved Oxygen And Biochemical Oxygen Demand In Water Bodies To Support Environmental Monitoring And Management	Muhammad Shoaib, Muhammad Mazhar Iqbal, and Jung Lyul Lee	
10	16h50-17h10	Sustainable Water Quality Management For Developing Country By Designing Constructed Wetland. A Case Study Of Chenab River Punjab, Pakistan	Muhammad Mazhar Iqbal, Muhammad Shoaib, and Jung Lyul Lee	
11	17h10-17h30	Monitoring Water Body Using Sentinel-2 Multispectral Imagery: A Case Study For Phu Ninh Reservoir, Quang Nam Province, Viet Nam	Thanh Hung Pham, Dung L. H. Nguyen, Lucy Marshall, Fiona Johnson, Manh-Hung Le, and Duong N. Vo	

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## SESSION 2: COASTAL ENGINEERING

**Chair session: Prof. Hitoshi Tanaka/ Prof. Nguyen The Hung**

**Secretary: Dr. Vu Huy Cong/ Dr.Le Van Thao**

No	Time	Presentation	Authors	Remarks
1	13h30-13h50	Reasonable Distance Between Groynes Placed On Concave Bank	The Hung NGUYEN, Lam Nguyen HUYNH	
2	13h50-14h10	Combined Longshore And Cross-Shore Modeling For The Embayed Shoreline Of Nha Trang	Yen Hai Tran and Eric Barthélemy	
3	14h10-14h30	A Long-Term Forecasting System For Shoreline Management	Sa Hong Lee, J.L. Lee, A. H. S. Putro, and I.J. Ann	
4	14h30-14h50	PIV Measurement Of Turbulent Boundary Layer Under Dam-Break Flow	Hitoshi Tanaka, Nguyen Thai Binh, Yuta Mitobe and Nguyen Xuan Tinh	
5	14h50-15h10	The Regime Of Longshore Current And Sediment Transport In Cua Dai – Hoi An	Huynh Cong Hoai, Lieou Kien Chinh, and Le Duc Vinh and Kim Dan Nguyen	
Tea Break				
6	15h30-15h50	Overview Research On Fleet, Technical Characteristics Of Channel, Infrastructures, Equipment Of Sea Ports On Main Hai Phong Channel	Nguyễn Thị Bạch Duong, Hoan Nguyen Duy	
7	15h50-16h10	Numerical Simulation Of Wave Loads On A Submerged Rectangular Bridge Deck	Em Le Huynh, Chia- Ren Chu	
8	16h10-16h30	Investigating Ship Wake Generation By Different Vessel Types In Shallow Waters Using Xbeach	Pui Yee Wong, Chin Liat Shue, and Seng Keat Ooi	
9	16h30-16h50	Analysis of seismic fragility curves of reinforced concrete bridge with	Nguyen Van Tien, Do Viet Hai and	

		the effects of soil- structure interacion. Case study of Egnatia Motoway bridge	Nguyen Van My	
10	16h50-17h10	Reliability Analysis of Hammer Piers in Bridges. Part I: Shear design in cantilever section	Tran Quang Vy, Nguyen Phuoc Duy, Hoang Trong Lam and Do Viet Hai	

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## SESSION 3: ENVIRONMENTAL ENGINEERING

**Chair session: Dr. Emilie Strady/ Dr. Nicolas Gratiot**

**Secretary: Mrs. Nguyen Phuoc Quy An/ Dr. Doan Thuy Kim Phuong**

No	Time	Presentation	Authors	Remarks
1	13h30-13h50	Exploring Patterns Of Phosphorus Retention And Internal Loading, Using Diagenetic Modelling. A Case Study In The Bay Of Quinte (Lake Ontario), Canada	Phuong T.K. Doan	
2	13h50-14h10	Air Bubble Barrier Technology For Preventing Harmful Substances	Byeong-Kyu Kim, Byung-Nam Kwon, Yu-Ra Kim, Kee-Sok Yang	
3	14h10-14h30	Arsenic Contamination In Domestic Water In Daknong Province, Vietnam: Situation And Human Health Concerns	Viet Tran, Chi Nguyen, Quoc Tran, Minh Tran and Nhat Pham	
4	14h30-14h50	Temporal Dynamic Of Anthropogenic Fibers In A The Saigon River-Estuarine System, Vietnam	Emilie Strady, Kieu-Le Thuy Chung, Johnny Gaspéri, Bruno Tassin	
5	14h50-15h10	A Simple And Cheap Bio-Trickling Filter For Organic And Nitrogen Removal In Domestic Wastewater	Nguyen Nhat Huy, Tran Tien Khoi, Nguyen Kim Phung, Luu Nguyen Luan	
<b>Tea Break</b>				
6	15h30-15h50	Evaluating The Effect Of First Flush Pollutant Loading In Johor Strait	Dieu Huong Trinh, Hui Xin Serene Tay, and Seng Keat Ooi	

7	15h50-16h10	Potential Of 210Po Contamination In Thermal Water Resources In Vietnam	Hao Duong Van, Son Nguyen Thai, Hung Do Quoc	
8	16h10-16h30	Health Risk Assessment Of Heavy Metals (Cr, Cu) In Groundwater Of Hoa Vang District - Danang City	Tran Ngoc Son	
9	16h30-16h50	Modelling Phosphate Dispersion From Wastewater Of Urban Drainage To Danang Bay, Vietnam	Phuoc Quy An NGUYEN , Philippe GOURBESVILLE, Ngoc Duong VO, Philippe AUDRA, Morgan ABILY	
10	16h50-17h10	Heavy Metals In Sediment And Hard Clam (Meretrix Lyrata) In Coastal Area Near Tien River Estuary - Mekong Delta, Vietnam And Assessment Of Human Health Risk To Clam Consumers	Tran Tuan Viet, Nguyen Nhu Sang , Dinh Quoc Tuc, Nguyen Nhat Huy, Seunghee Han, Truong Ngoc Viet Truong, Emilie Strady, Phuoc Dan Nguyen	
11	17h10-17h30	A Study On Motorcycles Overturning Due To Strong Wind On Tran Thi Ly Bridge- Danang City	Duy Hung Vo and Vu Anh Do	
12	17h30-17h50	Analysis of Wind Characteristics of a Strong Typhoon based on Bridge Structural Health Monitoring System	Hoang Trong Lam and Do Viet Hai	

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## POSTER

**Chair session:**

**Secretary:**

No	Time	Presentation	Authors	Remarks
1	13h30-17h	Mapping flood extent using Sentinel-1 synthetic aperture radar data: A case study of Thanh Hoa province, Viet Nam	Thanh Hung Pham, Lucy Marshall, Fiona Johnson, Dung L. H. Nguyen, Manh-Hung Le, and Duong N. Vo	
2	13h30-17h	Applications of Operation Support Program: Channel Auto-Design System to Optimal Channel Design and Investigation on Channel Bed Changes	JongChun Kim, and Sangwoo Park	
3	13h30-17h	Using Kriging interpolation method to improve SRTM DEM for flood modelling purpose – a pilot study in Central of Vietnam	Manh-Hung Le, Venkat Lakshmi, Hung T. Pham, and Manh Trinh Nguyen	
4	13h30-17h	An automated approach in catchment hydrological modeling with Windy website data	Pham Ly Trieu	
5	13h30-17h	A Field test of dewatering system for preventing coastal erosion	Byeong-Kyu Kim, Byung-Nam Kwon, Yu-Ra Kim, Kee-Sok Yang	
6	13h30-17h	The Effects of Deposition around Harbor Resulting from Extension of Breakwaters	Hyungseok Lee, Inho Kim, Jinhoon Kim and Jungmin Nam	

7	13h30-17h	Numerical Study on Jetty Construction to Mitigate the Beach Erosion in Cua Dai Beach, Vietnam	Vu Hoai Xuan, T.K. Kim, A.A. Laksmi and J.L. Lee	
8	13h30-17h	Risk Assessment of Future Beach Erosion Caused by Sea Level Rise	Jung Lyul Lee, Sahong Lee, S.C. Lee, Jinhwan Jeong	
9	13h30-17h	Potential application of membrane technology as tertiary treatment of latex wastewater before reusing in irrigation – A case study in Viet Nam	Huyen Vu-Xuan Dang , Hanh Vu-Bich Dang , and Huu Dung Doan	
10	13h30-17h	Application Of CANON-SBR Process For Ammonium Removal From Old Leachate	Son Le Thanh, Thanh Le Quang Do, Sang Truong Tran Nguyen, Nhat Phan The, Dan Nguyen Phuoc	
11	13h30-17h	Investigation of Local Processes and Spatial Scale Effects on Suffusion Susceptibility	Chuheng ZHONG, Van Thao LE, Fateh BENDAHMANE, Didier MAROT and Zhenyu YIN	
12	13h30-17h	Hydrodynamic Modelling Study Of Danang's Coast	Quang Binh Nguyen, Huy Cong Vu , Cong Phong Nguyen, and Ngoc Duong Vo	