



INTERCOH'11
Shanghai China

Conference Program for 11th INTERCOH

October 18-21, 2011

Shanghai, China

***ESTUARINE AND COASTAL FINE SEDIMENTS DYNAMICS AND EFFECTS OF
HUMAN ACTIVITIES ON ENVIRONMENTAL ISSUES***

Hosted by

East China Normal University (ECNU)

Organized by

State Key Laboratory of Estuarine and Coastal Research (SKLEC)

Sponsored by

Natural Science Foundation of China (NSFC)

International Research and Training Center on Erosion and Sedimentation (IRTCES)

Shanghai Estuarine & Coastal Science Research Center (ECSRC)

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Introduction

The INTERCOH conference series initiated by Dr. Reg Parker and Prof. Ashish Mehta is an international platform where scientists and engineers worldwide can meet and exchange experiences to develop a better understanding of the transport of fine-grained sediments. Typically over one hundred scientists attend the conference and all sessions are plenary, permitting ample opportunities to discuss findings and exchange ideas.

Fine sediments accumulate in ports and navigational channels, becoming an important issue with large ecological and economic impacts. The characteristics and behavior of the fine sediments are largely influenced by the local hydrodynamics and the related processes are still poorly understood.

The study of fine sediments therefore requires a good description of specific processes related to cohesion properties, such as flocculation and consolidation, and, on the other hand, is simplified by the similitude between particle and fluid velocities, which allows the computation of fine sediment transport by solving an advection/diffusion equation.

Objective

This meeting in Shanghai is the 11th International Conference on Cohesive Sediment Transport Processes (INTERCOH 2011), and its role has been expanded to emphasize the environment as a whole, over and beyond the nearshore and estuarine zones.

The INTERCOH2011 will focus on land-sea interaction studies, particularly on environmental issues and related effects of human interference activities. And, a special session will be held on fine sediments issues in Yangtze River estuary.

Official Language

English

Sessions/Special issue

Sessions

- Physical processes of fine and mixed sediments: erosion, transport, deposition, flocculation, liquefaction and consolidation
- Field and laboratory studies of these processes and instrument developments
- Numerical modeling of sediment transport
- Benthic boundary layer processes
- Sediment movements related to wave, turbulence and rheology
- Morphodynamics of fine and mixed sediments
- Sediment behavior under human interference: dredging, trawling, etc...
- Biological and ecological aspects of fine sediment transport processes

Special issues

- Yangtze Estuary

Program at a Glance

10/17 (Monday)	10/18 (Tuesday)	10/19 (Wednesday)	10/20 (Thursday)	10/21 (Friday)
	Registration(continued) 08:00-09:00	Registration(continued) 08:00-08:30		
	Opening 09:00-09:30	Session 3 08:30-10:00	Session 7 (Yangtze estuary) 08:30-10:30	Session 9 08:30-10:15
	Coffee break / Poster 09:30-10:00	Coffee break / Poster 10:00-10:20	Coffee break 10:30-10:45	Coffee break 10:15-10:30
	Session 1 10:00-12:00	Session 4 10:20-11:50	Session 8 10:45-11:45	Session 10 10:30-12:00
	Lunch 12:00-13:00	Lunch 11:50-13:00	Lunch 11:45-12:45	Lunch 12:00-13:00
Early Registration 15:00-20:00	Session 2 13:00-14:00	Session 5 13:00-15:00	Technical tour Yangshan harbor (12:45-18:00)	Session 11 13:00-14:00
	Museum of Yangtze Estuary 14:00-17:30	Coffee break / Poster 15:00-15:20		Coffee break 14:00-15:00
	Transfer between hotels 14:00-	Session 6 15:20-17:20		Closing Ceremony (Ray Krone Award) 15:00-16:00
	Committee Meeting 18:00-20:00	Huangpu River Night View		

Program in Detail

Date	17 Oct. (Monday)
15:00 - 20:00	<p style="text-align: center;">EARLY REGISTRATION Venue: Jin Sha Jiang Hotel (close to the campus of ECNU, see the maps)</p>



Please see the abstracts in BOOK of ABSTRACTS

Date	18 Oct. (Tuesday)
08:00-09:00	<p align="center">Registration (continued...)</p> <p align="center">Venue: Hall of Shaw Run Run Building (Yifu Building) in the campus of ECNU</p>
09:00 -09:30	<p align="center">Opening Ceremony</p>
09:30 -10:00	<p align="center">Coffee break (Conference photo)</p>
10:00-12:00	<p align="center">Session 1 Chairman: Ashish J. Mehta, University of Florida, USA</p>
10:00-10:30	<p align="center">Keynote: Johan C. Winterwerp</p> <p align="center">A conceptual framework for shear-flow induced erosion of soft cohesive sediment beds</p> <p>Delft University of Technology, Delft, The Netherlands</p> <p align="right">[p.3]</p>
10:30 -10:45	<p>Influence of bed aggregates on erosion in a freshwater reservoir</p> <p>Joseph Z. Gailani*, S. Jarrell Smith, Gregory Norwood and Darrell E. Eidson U.S. Army Engineer Research and Development Center, 3909 Halls Ferry Rd, Vicksburg, MS 39180, USA</p> <p align="right">[p.5]</p>
10:45 -11:00	<p>Bottom boundary layer flows of turbidity maxima in the Pearl River estuary</p> <p>Jiaxue Wu*, Yuanzheng Lu, Huan Liu, and Rikui Yang</p> <p>The Center for Coastal Ocean Science and Technology Research, School of Marine Sciences, Sun Yat-sen University, Guangzhou 510275,</p> <p align="right">[p.7]</p>
11:00 -11:15	<p>Bottom sediment investigation in Isahaya Bay using radioisotope cone penetrometer</p> <p>Rui Jia*, Takenori Hino, Takaharu Hamada, Jinchun Chai and Mistsugu Yoshimura Institute of Lowland and Marine Research, Saga University, 1 Honjo, Saga, 840-8502, Japa</p> <p align="right">[p.9]</p>

11:15 -11:30	<p>Bed strength evolution of oxidized fresh water sediments</p> <p>Miguel de Lucas, Johan C. Winterwerp and Thijs van Kessel TUDelft, Deltares; M.A.DeLucasPardo@tudelft.nl; Delft, The Netherland</p> <p style="text-align: right;">[p.11]</p>
11:30 -11:45	<p>Impact of boat-generated waves on intertidal sediment transport</p> <p>Blanpain, O., Deloffre, J.*, Lafite, R., Gomit G. , Calluud D., David, L., M. Lemoine Laboratoire de Morphodynamique Continentale et Côtière, Université de Rouen, UMR CNRS 6143, 76821 Mont-Saint-Aignan (France)</p> <p style="text-align: right;">[p.15]</p>
11:45 -12:00	<p>Numerical study on wave propagation over a fluid-mud layer with different bottom conditions</p> <p>Xiaojing Niu* and Xiping Yu Department of Hydraulic Engineering, Tsinghua University, nxj@tsinghua.edu.cn, China</p> <p style="text-align: right;">[p.17]</p>
12:00-13:00	Lunch
13:00-14:00	<p>Session 2</p> <p>Chairman: Joseph Z. Gailani, ERDC, US Army Corps of Engineers, USA</p>
13:00 -13:15	<p>New wall-function method for numerical simulation of open-channel turbulent flow over rough beds</p> <p>Xianye Wang, Qing He, and Jane Weizhen Lu State Key Laboratory of Estuarine and Coastal Research, East China Normal University, Shanghai 200062, P. R. China</p> <p style="text-align: right;">[p.19]</p>
13:15 -13:30	<p>Wind induced spatial variability of high turbidity areas in the southern North Sea</p> <p>Michael Fettweis*, Matthias Baey, Jaak Monbaliu, Bouchra Nechad, Frederic Francken, Dries Van den Eynde, Vera Van Lancker Royal Belgian Institute of Natural Science, Management Unit of the North Sea Mathematical Models, Gulledele 100, 1200 Brussels, Belgium</p> <p style="text-align: right;">[p.21]</p>
13:30 -13:45	<p>Seasonal variation of modern sedimentary environment in the mud depo-center off the Zhejiang-Fujian coast, China</p> <p>Yunhai Li*, Jian Chen, Caibin Huang and Aijun Wang Third Institute of Oceanography, State Oceanic Administration, Xiamen 361005, China</p> <p style="text-align: right;">[p.25]</p>
13:40 -14:00	<p>Fundamental study of fluid mud transport modeling</p> <p>Yasuyuki NAKAGAWA*, Kazuo NADAOKA , Hiroshi YAGI , Ryuichi ARIJI1 , Haruo and Kazuhiro SHIRAIYONEYAMA Port and Airport Research Institute, 3-1-1 Nagase, Yokosuka 239-0826, JAPAN</p> <p style="text-align: right;">[p.26]</p>
14:00-14:30	Coffee break

14:00-	<p>Museum of Yangtze Estuary (Choice 1) 14:00-17:30 (Visit) 18:00- (Hotel Transfer)</p>
	<p>Hotel Transfer (Choice 2) See details in following <u>Accommodation Note</u></p>
18:00-20:00	<p>Steering Committee Meeting</p>
	<p>End of Day 1</p>

Date	<p align="center">19 Oct. (Wednesday) Venue: Conference Room, Shaw Run Run Building in the campus of ECNU</p>
8:00-8:30	<p align="center">Registration (continued...) Venue: Hall of Shaw Run Run Building in the campus of ECNU</p>
8:30-10:00	<p align="center">Session 3 Chairman: Johan C. Winterwerp, TUDelft, Delft, The Netherlands</p>
8:30 –9:00	<p align="center">Keynote: Pierre Le Hir Integrated modelling for a continuous approach of sediment processes: solutions, questions and perspectives</p> <p>lfremer, DYNECO/PHYSED, BP70, 29280, France [p.33]</p>
9:00 –9:15	<p>The exchange of water and sediments in the harbor of Zeebrugge Vanlede, J.*, Dujardin, A. Flanders Hydraulics Research, Antwerp, Belgium [p.35]</p>
9:15 –9:30	<p>On the Use of Partheniades-Krone Equations in Estuarine Cohesive Sediment Transport J. Mehta* and J. V. Letter, Jr. Department of Civil and Coastal Engineering, University of Florida, Gainesville, FL 32611, USA [p.201]</p>
9:30 –9:45	<p>Effect of Salinity on Sediment Transport Properties in the Inner Deep Bay (Hong Kong) WY CHAN, CC LO and OWH WAI * Department of Civil & Structural Engineering Hong Kong Polytechnic University Hong Kong SAR, China [p.39]</p>
9:45 –10:00	<p>Acoustic scattering from a suspension of flocculated sediments Iain T. MacDonald* and Christopher. E. Vincent National Institute of Water & Atmospheric Research, PO Box 11115, Hillcrest, Hamilton 3251, New Zealand [p.45]</p>
10:00-10:20	<p align="center">Coffee break</p>

10:20-12:05	Session 4 Chairman: A.J. Manning , HR Wallingford Ltd., UK
10:20-10:35	The effects of turbulence on floc size and floc density for fine, cohesive sediments Tianming Li * , Jerome P.-Y. Maa School of Transportation, Southeast University, Nanjing, China [p.47]
10:35 –10:50	Multimodal particle size distribution in a coastal zone Byung Joon LEE * , Michael FETTWEIS , Erik TOORMAN and Jian WANG Hydraulics Laboratory, Department of Civil Engineering, Katholieke Universiteit Leuven [p.174]
10:50 –11:05	Modelling turbidity in the Seine Estuary : the role of flocculation processes Romarc Verney* , Pierre Le Hir Ifremer, DYNECO/PHYSED, BP70, 29280, France [p.51]
11:05 –11:20	A lattice boltzmann model of fully incorporating attractive and repulsive inter-particle forces for flocculation simulation Qing-He ZHANG * , Guang-Quan QIAO , Jin-Feng ZHANG , Hong-Jian CHENG , Zhao LU
11:20 –11:35	Role of microorganisms in flocculation processes Chedeville, S. , Laghdass, M. , Lafite, R. * , Deloffre, J. , Petit, F. , Claquin, P. , D. Mouazé and Verney, R. [p.55] Laboratoire de Morphodynamique Continentale et Côtière, Université de Rouen, UMR CNRS 6143, 76822 Mont-Saint-Aignan (France)
11:35 –11:50	Study on turbulence-induced flocculation of cohesive sediment Jin-Feng ZHANG* , Guang-Quan QIAO , Qing-He ZHANG State Key Laboratory of Hydraulic Engineering Simulation and Safety, Tianjin University, Tianjin 30072, China [p.57]
11:50-13:00	Lunch
13:00-15:00	Session 5 Chairman: Qinghe Zhang , Tianjin University, Tianjin, China

13:00-13:15	Seasonal fluctuations of turbidity in the upper Gironde Estuary, derived from water quality monitoring Aldo Sottolichio * , Henri Etcheber , Sabine Schmidt , Patrice Castaing , Eric Maneux , Marjorie Schmeltz University of Bordeaux 1, EPOC Laboratory, UMR 5805, Talence, France [p.61]
13:15-13:30	Clay mineral distribution in the Taiwan strait and southward transport potential of Yangtze materials through the strait Zhifei Liu* , Chih-An Huh , Xiajing Li , Weifang Chen , Yanli Li , Chen-Feng You , Yuchen Wang , Zhong Chen and Jianyong Fang
13:30-13:45	An integrated model for 3-dimensional cohesive sediment transport in storm event Xiao-Chen YANG* , Qing-He ZHANG , Jin-Feng ZHANG , Tan Feng , Na ZHANG and Hua YANG State Key Laboratory of Hydraulic Engineering Simulation and Safety, Tianjin University, Tianjin 30072, China [p.65]
13:45 -14:00	Suspended sediment transport in the Han estuary, west coast of Korea Hee Jun Lee* and Jun-Yong Park Marine Geology Laboratory, Korea Ocean Research and Development Institute, Ansan, P.O. Box 29, Seoul 425-600, South Korea [p.67]
14:00 -14:15	Suspended sediment transport in the Elbe estuary – measurements, modelling and management Holger Weilbeer* , Christian Maushake Federal Waterways Engineering and Research Institute (BAW), Wedeler Landstr. 157, 22559 Hamburg, Germany [p.69]
14:15 -14:30	Study on Time Variation of Suspend Sediment Concentration and Affecting Factors on Lianyungang Muddy Shoal during Typhoon Wipha Pang Qixiu* Tianjin Research Institute of Water Transport Engineering, Key Laboratory of Engineering sediment of Ministry of Communications, Tianjin 300456, China [p.71]
14:30 -14:45	Estuarine fine sediment transport in the presence of propagating tidal bores (the Garonne River, France) J-P. Parisot , A. Sottolichio * , A. Crapoulet , P. Bonneton , N. Bonneton and G. Detandt University of Bordeaux 1, CNRS EPOC Laboratory, 33405 Talence, France [p.73]
14:45 -15:00	Three-dimensional modeling of fine sediment transport in the Ganges river and its intake canal, Bangladesh Haisheng JIN* , Norio TAKAYANAGI , Tadahiro FUKUDA Research and Development Center, Nippon Koei Co., Ltd., a5313@n-koei.co.jp, Japan [p.75]

15:00 -15:20	Coffee break
15:20-17:20	Session 6 Chairman: Lawrence P. Sanford , University of Maryland, USA
15:20 -15:35	Significance of yield stress and flow stress in rheological behavior of selected muds Farzin Samsami, Mohsen Soltanpour, Ashish J. Mehta * , Yogesh P. Khare K. N. Toosi University of Technology, Civil Engineering Department, No. 1346, Vali-Asr St., Tehran 19967, Iran [p.79]
15:35 -15:50	Measurements of mud bulk density using ultrasonic waves Maa, Jerome Peng-Yea* Virginia Institute of Marine Science College of William and Mary Gloucester Point, VA, USA [p.40]
15:50-16:05	The suspended sediment transport characteristics near Xiamen port entrance Shi Yuezhong * , Lei huaiyan College of Oceanography and Environment Science, Xiamen University, <i>shi_yaozhong@hotmail.com</i> , China [p.83]
16:05 -16:20	Dealing with benthic high-concentrated layers and fluid mud in cohesive sediment transport modeling Erik A. Toorman*and Qilong Bi Hydraulics Laboratory, Civil Engineering Dept., Katholieke Universiteit Leuven, Kasteelpark Arenberg 40 – box 2448, B-3001 Heverlee, Belgium [p.85]
16:20 -16:35	Study on the suspended sediment transport in Dagang Bay He Jie*, Hou Jiayan, Xin Wenjie State Key Laboratory of Hydrology-Water Resource and Hydraulic Engineering, Nanjing 210024, China [p.87]
16:35 -16:50	Laboratory modelling of particulate density currents overriding soft, cohesive substrates: evidence for plastic deformation, erosion and acceleration over a horizontal bed Iris Verhagen * , Jaco Baas, Bill McCaffrey and Alan Davies School of Ocean Sciences, Bangor University, Menai Bridge, Isle of Anglesey LL59 5LB, United Kingdom [p.88]

16:50 -17:05	<p>Fine particle driven density currents in the Xiaolangdi Reservoir, the middle Yellow River, China: High-resolution flow dynamics and the implications</p> <p>Taoyuan Wei*, Jeff Peakall, Dan Parsons and Jim Best State key laboratory of Coastal and Estuarine Research, East China Normal University, Shanghai 200062, China</p> <p>[p.90]</p>
17:05 -17:20	<p>Fluidization of muddy beds under water waves</p> <p>Hiva Vaisi*, Mohsen Soltanpour Civil Engineering Department, K. N. Toosi University of Technology, No. 1346, Vali-Asr St., Tehran 19967, Iran</p> <p>[p.91]</p>
17:20-	<p>Huangpu River Night View (ticket provided)</p>
	<p>End of Day 2</p>

Date	<p align="center">20 Oct. (Thursday) Venue: Conference Room, Shaw Run Run Building in the campus ECNU</p>	
08:30-10:30	<p align="center">Session 7 (Yangtze Estuary) Chairman: Zhifei Liu, Tongji University, Shanghai, China</p>	
08:30-09:00	<p align="center">Keynote: Prof. Qing He</p> <p align="center">Behavior and fate of fine sediment in the Yangtze River Estuary</p> <p>SKLEC, East China Normal University, N. Zhongshan R. 3663, Shanghai, P. R. China. [p.95]</p>	
09:00-09:15	<p>Along-channel sediment transport in the North Passage of the Yangtze Estuary [p.97]</p> <p>Chenjuan Jiang*, Huib.E.de Swart, Jiufa Li, Gaofeng Liu State Key Laboratory of Estuarine and Coastal Research, East China Normal University, 3663 Zhongshan Rd. N., 200062, Shanghai, China</p>	
09:15-09:30	<p>The mutli-pattern of sediment transport by various hydrodynamic mechanisms in Changjiang Estuary</p> <p>Gaofeng Liu *, Jianrong Zhu Shanghai Estuarine and Coastal Science Research Center, Xinsheng Road 1045#, Pudong District, Shanghai, 201201, P. R. China [p.99]</p>	
p.9:30 –9:45	<p>Bottom boundary processes associated with sediment accumulation: Field observations in strong deposition zone of Deepwater Channel, Yangtze Estuary</p> <p>XU Jun-jie*, HE Qing SKLEC, East China Normal University, N. Zhongshan R. 3663, Shanghai, 200062, China [p.101]</p>	
09:45-10:00	<p>Morphodynamics of the tidal flats in the Yangtze Estuary, China</p> <p>Guo Leicheng*, He Qing, Dano Roelvink and Mick van der Wegen SKLEC, East China Normal University, N. Zhongshan R. 3663, Shanghai, 200062, China [p.103]</p>	
10:00-10:15	<p>The effect of sediment properties on mudflat sedimentation: estimating the response to upstream dam construction</p> <p>D.S. van Maren* Deltares, PO Box 177, 2600 MH Delft, The Netherlands [p.105]</p>	

10:15-10:30	Remotely-sensed sediment dynamics in the Yangtze estuary Fang Shen* , Yun-xuan Zhou, Qing He State Key Laboratory of Estuarine and Coastal Research, East China Normal University, Shanghai 200062, China [p.107]
10:30-10:45	Coffee break
10:45-11:45	Session 8 Chairman: Fang Hongwei , Tsinghua University, Beijing, China
10:45 -11:00	Testing of formulae for the settling flux estimation of natural estuarine cohesive sediment A.J. Manning* , T. Benson ^a , R. Schindler ^b , R.L. Soulsby ^a , J.R.Spearmana and R.J.S. Whitehouse HR Wallingford Ltd., Coasts & Estuaries Group, Howbery Park, Wallingford OX10 8BA, UK [p.111]
11:00 -11:15	Settling and consolidation of silty sediment S. te Slaa¹* , Q. He, D.S. van Maren ¹ and J.C Winterwerp Hydraulic Engineering Section, Faculty of Civil Engineering and Applied Geo-Sciences, Delft University of Technology, The Netherlands [p.113]
11:15 -11:30	The consolidation process of the sediments discharged from the Yellow River Xiaolei Liu * , Yonggang Jia, Jiewen Zheng, Xiujuan Yang, Hongxian Shan and Tao Liu Key Laboratory of Marine Environmental & Ecology, Ministry of Education, 266100 Qingdao, China [p.115]
11:30 -11:45	A one-dimensional model for short tidal basins- fine sediment dynamics Bram C. van Prooijen * and Zheng B. Wang TU Delft, Faculty of Civil Engineering and Geosciences, Department of Hydraulic Engineering, the Netherlands [p.117]
11:45 -12:45	Lunch
12:45 -18:00	Technical tour to Yangshan Harbor (shuttle bus and tour guide arranged)
18:00-20:00	Banquet at Shanghai Min (Xiao Nanguo) Restaurant (Mehta Award) Venue: Changning Road 999 (shuttle bus provided)
	End of Day3

Date	21 Oct. (Friday) Venue: Conference Room, Shaw Run Run Building in the campus of ECNU
8:30 – 10:15	Session 9 Chairman: Susana Vinzon , Federal University of Rio de Janeiro, Brazil
08:30-09:00	Keynote: Lawrence P. Sanford Estimating short-term shore erosion rates and associated fine sediment inputs in northern Chesapeake Bay University of Maryland Center for Environmental Science, USA [p.121]
09:00-09:15	Numerical modelling of morphodynamics - La Vilaine Estuary H. Jacob Vested* , Caroline Tessier, Bo Brahtz Christensen and Evelyne Goubert DHI, Agern Allé 5, DK 2970 Hoersholm, hjv@dhigroup.com, Denmark [p.123]
09:15-09:30	Experiment on surface charge distribution of fine sediment [p.125] Fang Hong-wei* , Huang Lei, Chen Ming-hong Department of Hydraulic Engineering, the State Key Laboratory of Hydro-science and Engineering, Tsinghua Univ., Beijing, 100084, China
09:30-09:45	Vertical structure of salt and suspended sediment at the macrotidal Han River estuary Guan-hong Lee* , Kukjin Kim, Jae-il Kwon and Kyrong Kang Department of Oceanography, Inha University, 253 Yonghyun-Dong, Nam-Gu, Incheon, 402-757, Korea [p.126]
09:45-10:00	Observational evidence for estuarine circulation in the German Wadden Sea [p.127] Götz Flöser* , Hans Burchard, and Rolf Riethmüller Helmholtz Zentrum für Material- und Küstenforschung, Max-Planck-Strasse 1, 21522 Geesthacht, Germany
10:00-10:15	Simulations of turbulent flows using lattice boltzmann equation with the help of GPU [p.129] Cheng-gong Li* , Jerome P.-Y. Maa, Haigui Kang Dalian University of Technology, licg1981@hotmail.com, China

10:15-10:30	Coffee break
10:30-12:00	Session 10 Chairman: Erik Toorman , KU Leuven, Belgium
10:30-10:45	Influence of grazing zooplankton on cohesive sediment settling velocities in a freshwater lake S. Jarrell Smith* and Darrell E. Eidson U.S. Army Engineer Research and Development Center, 3909 Halls Ferry Rd, Vicksburg, MS 39180, USA [p.135]
10:45 –11:00	Vegetated bank stability of a saltmarsh creek as determined by erosion threshold Yi-ning Chen* State Key Laboratory of Marine and Environmental Science, Xiamen University, P. R. China [p.137]
11:00 –11:15	The impact of intertidal seagrass <i>Zostera Noltii</i> on erosion and deposition processes: a flume experiment F. Ganthly*, L. Soissons, R. Verney, A. Sottolichio and P.-G. Sauriau University of Bordeaux1 – UMR CNRS 5805, f.ganthly@epoc.u-bordeaux1.fr, laura.soissons@live.fr, a.sottolichio@epoc.u-bordeaux1.fr, FRANCE [p.139]
11:15 –11:30	Evaluation of particle sizes of expansive clay sediments Xiaoling Tan*, Guoping Zhang, Hang Yin, Allen H. Reed, and Yoko Furukawa Department of Civil and Environmental Engineering, Louisiana State University, Baton Rouge, LA 70803, USA [p.141]
11:30 –11:45	The research about the effect of human activities on the sedimentary process of S Bay Sun Maoming*, Huang Shichang, Zhaoxin and Ni Yongqiang Zhejiang institute of Hydraulics & Estuary, mmsun94@hotmail.com, China [p.143]
11:45 –12:00	Radioisotope as an indicator for sedimentary history in response to anthropogenic interference M. Chen*, S. Wartel, and P. Van den Winkel Hydrology and Hydraulic Engineering, Vrije Universiteit Brussel, Pleinlaan 2, B-1050, Brussels, Belgium [p.144]
12:00-13:00	Lunch

<i>13:00-15:30</i>	Session 11 Chairman: Pierre Le Hir , Ifremer, France
13:00-13:15	A two dimensional experimental-numerical approach to investigate wave transformation over muddy beds Mohsen Soltanpour* , Tomoya Shibayama, S. Abbas Haghshenas Department of Civil Engineering, K. N. Toosi University of Technology, No. 1346, Vali-Asr St., Tehran, PC 1996715433, Iran [p.37]
13:15-13:30	Investigating the flocculation dynamics of cohesive sediments from the St Lucia and Mfolozi Estuaries, South Africa: through a laboratory study Christopher Mark Maine* & Derek Stretch Centre for Research in Environmental, Coastal and Hydrological Engineering, University of Kwa-Zulu Natal, South Africa [p.149]
13:30-13:45	Numerical modeling of wave and current-induced concentration of cohesive sediments Soroush Sorourian* , Ioan Nistor Lecturer, Dept. of Civil Eng., Baha'i Institute for Higher Education, Tehran, Iran [p.151]
13:45-14:00	ALE 2DV numerical modeling of wave-mud interaction using projection method K. Hejazi* , M. Soltanpour, S. Sami Civil Eng. Dept., K.N. Toosi University of Tech., P.O.Box 15875-4416, Tehran, Iran [p.153]
<i>14:00-15:00</i>	Coffee break
<i>15:00-16:00</i>	Closing Ceremony (Ray Krone Award)
	End of IntercoH 2011

Posters List

1. A numerical study on harbor planform effects on cohesive sediment transport and sedimentation
M. Mojabi *, **K. Hejazi**
Dept. of Civil Engineering, K. N. Toosi University of Technology, P. O. Box 15875-4416, Tehran, Iran [p.157]
2. Anthropogenic impact on sediments of Krishnapatnam Port, East coast of India
Jayaraju.N. Sundara Raja Reddy. B. C. and Reddy. K. R.
Department of Geology & Geoinformatics, Yogi Vemana University, Kadapa – 516 003, India [p.159]
3. Comparing numerical schemes of 3D mass transport equation
Peng Wang, Xia Shen
Hohai University, No.1, Xikang Road, Nanjing City, China [p.160]
4. Ecological problems associated with sediment transport into a tropical estuarine system
Shadananan Nair
Nansen Environmental Research Centre, India [p.162]
5. Flow resistance of stable channel subjected to seepage
Bimlesh Kumar
Indian Institute of Technology, Guwahati, Guwahati-781039, India [p.166]
6. Investigating the influence of wind driven turbulence and cohesive sediment re-suspension in a shallow lake
Justin J. Pringle*, **Derek D. Stretch**
Centre for Research in Environmental, Coastal and Hydrological Engineering, University of Kwa-Zulu Natal, Email: 207505253@ukzn.ac.za, South Africa [p.168]
7. Lattice boltzmann simulation for effects of sediment concentration and water salinity on flocculation
Guang-Quan QIAO*, **Qing-He ZHANG**, **Jin-Feng ZHANG**
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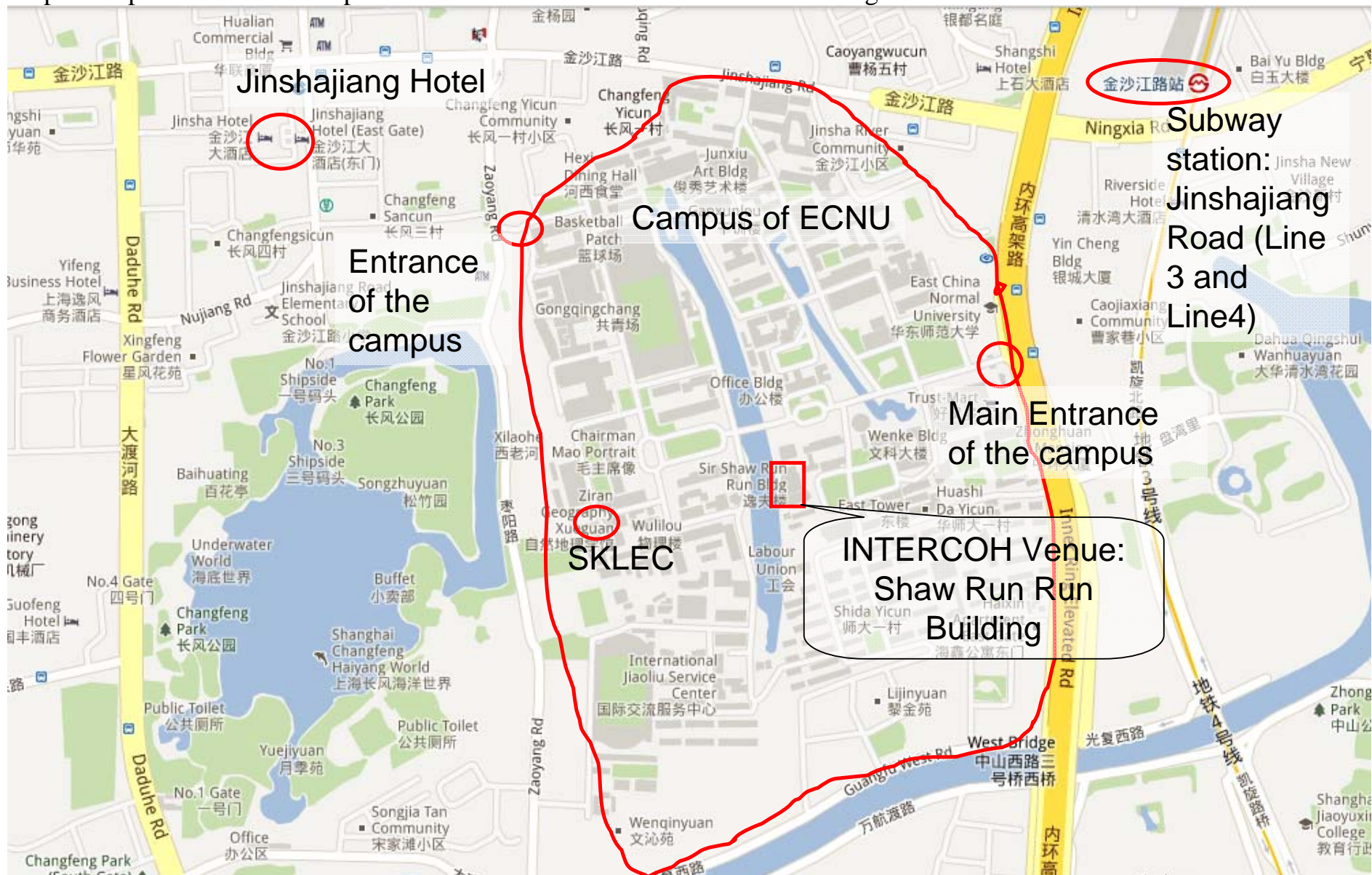
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Venue Information

Map 1: Shanghai, Location of the Hongqiao (SHA) and Pudong International Airport (PVG) and the campus of East China Normal University (ECNU)



Map 2: Map of the ECNU campus and the location of the Hotel and the walking routes



Presentation Instructions

In this conference, there is only one session continuously. The venue for all the sub-session is the conference room of Shaw Run Run building (first floor).

ORAL SPEAKERS

Time for keynote speakers is 30 min. Other talks are scheduled in **15-min** time slots. We strongly encourage a presentation of no more than 12 minutes to allow 3 minutes for discussion and to entertain questions from those in the audience. The time limit will be strictly enforced to facilitate movement between sessions. We recommend PowerPoint for all users. The version of PowerPoint installed in the conference computer is **Office 2007**. Presentations created using Adobe Acrobat are acceptable as well. A projector, computer, and a screen and laser point will be available in the room. To minimize any compatibility problems, please assure that your presentation design does not exceed XGA (1024x768). All files that are used in the Power-Point presentation (picture, video-clips, audio clip) should be saved in a folder, along with the Power-Point presentation itself. If you plan to do a Power-Point presentation, it is highly recommended that you have a backup of your presentation on overhead transparencies. **We strongly recommend that you upload your presentation to the provided conference computer ahead of your scheduled presentation time, such as registration on October 17 during the coffee break.** Conference volunteers will be available in the conference room to assist you with this process.

POSTER PRESENTATIONS

Posters will be set up on the first day (18 Oct) on your arrival and be available for viewing until 21 Oct in the hall of the Shaw Run Run building and around the conference room. Posters are suggested to be in «landscape» orientation and should not exceed **110 cm x 90 cm**. Pushpins will be provided to place your poster on the poster boards. You will be expected to present your poster during the coffee break and the last poster session, 2-5 min each according to the schedule. Poster presenters are asked to adhere to designated set-up and tear-down instructions and times.

Accommodation Note

Attention please:

Due to the 60 year's anniversary celebration of ECNU, the ECNU Guest House (Shaw Run Run or Yifu Building) is only available since 18 October. Therefore, the early guests who have booked hotel rooms have to be accommodated to Jinshajiang Hotel. So, if you arrive on 17 Oct or before, please go to the Jinshajiang Hotel directly. On 18th, you can leave your luggage at the reception of Jiashajiang hotel, and after the session that day, free hotel transfer would be arranged between Jinshajiang hotel and Shaw Run Run building. We are so sorry for all your inconvenience.

Notes showed to the taxi driver:

For early guests arrive on 17 Oct and before:

“Please take me to ‘Jinshajiang Hotel’ close to East China Normal University in Putuo District.”

师傅：您好！请送我到普陀区金沙江大酒店。地址：普陀区怒江路257号。

For arrival on 18 Oct and after:

“Please take me to ‘Shaw Run Run building’ in the campus of East China Normal University.”

师傅：您好！请送我到华东师范大学校内的逸夫楼。地址：普陀区中山北路3663号。