





Composite Modelling of Urban Flooding in Coastal & Estuarine Areas

A bilateral research cooperation project

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Bilateral Chinese - Bulgarian Research Seminar:

Composite Modelling of Urban Flooding in Coastal & Estuarine Areas Varna, 17 - 18 October 2018, Conference hall at BSHC-BAS, Varna

TECHNICAL PROGRAMME

	WEDNESDAY, OCTOBER 17 th , 2018
	Exchange of Knowledge & Expertise
10:00 - 10:30	Welcome Address, Prof. R. Kishev, Head BSHC; D. Dragancheva, Project Coordinator
10:30 - 12-00	Study tour: BSHC Lab Facilities
12:30 - 13:30	Lunch break
13:30 - 14:00	BSHC at the frontline of hydrodynamic research (R. Kishev)
14:00 - 14:30	NHRI: a multipurpose national hydraulic research complex (J.N. Pan)
14:30 - 15:00	BDCA: Building bridges between science and industry (V. Penchev)
15:00 - 15:30	Coffee break
15:30 - 16:00	Round table discussion
16:00 - 16:15	Day 1: Conclusions & Closing

	THURSDAY, OCTOBER 18 th , 2018
08:45 - 09:15	Registration of Participants
09:15 - 09:30	Welcome, Prof. R. Kishev, Head BSHC
	Scientific Session 1
09:30 - 09:50	Experimental study on failure mechanism of seawall by coupling effect of storm surge and waves, Prof. J. Pan (NHRI)
09:50 - 10:10	Modelling of Wave Induced Hydrodynamics in Coastal Areas using MIKE21/3, S. Shukrieva (BDCA)
10:10 - 10:30	High-Resolution DEM for Numerical Simulations of Coastal Flooding - Case study Asparuhovo-Karantina, V. Penchev (BDCA)
10:30 - 11:00	Coffee break
11:00 - 11:20	Compound simulation of extreme flood and waves in Beilun coast, China, Prof. J. Zhang (NHRI)
11:20 - 12:00	Discussion Scientific Session (1)
12:00 - 13:30	Lunch break
	Scientific Session 2
13:30 - 13:50	Study on coupling simulation technique of storm surge and wave, Z.B. Sun (NHRI)
13:50 - 14:10	Numerical tools for coastal hydrodynamic and hydro-ecological modeling: MIKE by DHI approach, F. Penchev (BDCA)
14:10 - 14:30	Application of nonhydrostatic model SWASH on extreme flood and waves in Varna coast, Bulgaria, M.J. Xiong (NHRI)
14:30 - 14:50	Integrated Approach - Physical & Numerical Modelling - Added value, D. Dragancheva (BSHC)
14:50 - 15:20	Discussion Scientific Session (2)
15:20 - 16:00	Day 2: Conclusions & Closing