

**Agenda – FVCOM Users Workshop
Bedford Institute of Oceanography, Dartmouth
October 20-22, 2015**

Oral Program

Day 1: October 20

8:30	Registration	
9:00	Welcome	S. Haigh/D. Greenberg
Session 1 Chair: C. Chen	Title	Presenter
9:10	A High Resolution Hydrodynamics Model of the Duplin River Estuary, Sapelo Island GA	C. Jared Mcknight
9:30	Modeling high resolution coastal flow patterns along the eastern coast of Maine	LeAnn Conlon
9:50	Circulation in the South coast of Newfoundland: the role of tides, wind, and water structure	Andry Ratsimandresy
10:10	The pathways of long period and steady state barotropic flows through the Arctic Archipelago	David Greenberg
10:30	<i>Break</i>	
Session 2 Chair: R. Beardsley	Title	Presenter
11:00	Barotropic and baroclinic responses to Hurricane Igor off Newfoundland	Guoqi Han
11:20	Great South Bay: Changes in circulation, residence time and bay-ocean exchange due to a new breach in Fire Island	Claudia Hinrichs
11:40	Barotropic simulation of the pre- and post-hurricane Juan in the Northwest Atlantic using FVCOM	Yujuan Sun
12:00	<i>Lunch (provided)</i>	
Session 3 Chair: G. Han	Title	Presenter
14:00	Three-dimensional modeling of a Chesapeake Bay tidal marsh-estuary ecosystem	J. Blake Clark
14:20	An Automated, Northeast Gulf of Mexico Nowcast/Forecast Model, with HABs, Fisheries and DWH Oil Spill Applications	Lianyuan Zheng
14:40	Coupling FVCOM with FABM: Multiplying the Choices of Marine Ecosystem models within FVCOM	R. Torres

15:00	Simulation of the vertical distribution of buoyant <i>Microcystis</i> colonies in an FVCOM offline Lagrangian particle model for short-term forecasts of harmful algal blooms in Lake Erie	M. D. Rowe
15:20	<i>Break</i>	
Session 4 Chair: D. Greenberg	Title	Presenter
16:00	PySeidon: a suite of pythonic tools for the tidal energy community and FVCOM users	Thomas roc
16:20	Discussion on pre- and post-processing	

Day 2: October 21

8:30	Registration	
Session 5 Chair: G. Han	Title	Presenter
9:00	Updates on FVCOM	Changsheng Chen Robert Beardsley
9:40	Question/Answer Period	
10:20	<i>Break</i>	
Session 6 Chair: C. Chen	Title	Presenter
11:00	A High Resolution Tampa Bay and Vicinity Circulation Model with Applications to Salt Balance, Flushing and Tracking	Lianyuan Zheng
11:20	Connecticut River freshwater pathways through Long Island Sound	Rachel Horwitz
11:40		
12:00	<i>Lunch (provided)</i>	
Session 7 Chair: Y. Wu	Title	Presenter
14:00	Modeling of seasonal circulation in Shelburne NS using FVCOM	Susan Haigh
14:20	Application of the Finite Volume Community Ocean Model to Norwegian Coastal Ocean: Challenges and Results	Qin Zhou
14:40	Winter to spring transition effect on estuarine hydrodynamics of a deep-silled fjord of southern Chile: the Relocavi fjord	Elias Ovalle
15:00	Numerical modeling the interaction between the South China Sea Throughflow (SCSTF) and the Indonesian Throughflow (ITF)	Danya Xu
15:20	<i>Break</i>	

Session 8 Chair: D. Greenberg	Title	Presenter
16:00	Representing kelp forests in a regional circulation model based on FVCOM	Yongsheng Wu
16:20	Discussion on code adaptation and fix	
Time to be announced	Banquet	

Day 3: October 22

Session 9 Chair: R. Beardsley	Title	Presenter
9:00	Impacts of Wind Field Correction on the Numerical Simulation of "Rammasun" Storm Surge Inundation	Yuxing Wang
9:20	Towards an operational model of the Saint John Harbour and the Bay of Fundy	Fred Page
9:40	Modeling seasonal circulation along the northern coast of British Columbia, Canada	Pramod Thupaki
10:00	Modeling wind-induced hydrodynamics of shallow Lake Balaton	Peter Torma
10:20	<i>Break</i>	
Session 10 Chair: D. Greenberg	Title	Presenter
11:00	Effects of inertial current on the oceanic surface waves: a dataset constructed by matching HF radar current and NDBC buoy records	Guoqiang Liu
11:20	Discussion on modules	
12:00	<i>Lunch (provided)</i>	
14:00	End of Workshop	

Posters

No.	Title	Presenter
1	Modeling Coastal Flooding at the CT Coastline	Alejandro Cifuentes-Lorenzen
2	Towards an Operational 3D Hydrodynamic Model for Puerto Rico and the United States Virgin Islands	Adail Rivera-Nieves
3	A comparative study of high and low resolution models in Vancouver Harbour	Mitchell O'Flaherty-Sproul
4	Modelling the seasonal occurrence and distribution of humanpathogenic bacteria within the German Bight, southern North Sea	Karsten-Alexander Lettmann
5	A bio-physical coupled model of the Damariscotta River Estuary	Catherine Coupland
6	Assessing skill and reliability of bottom temperatures from the Finite-Volume Community Ocean Model (FVCOM) on the U.S. Northeast Continental Shelf	Kisei Tanaka