Banff International Research Station

for Mathematical Innovation and Discovery

Inexact Optimization Theory for Resources and Environmental Management
August 2-4, 2013

MEALS

Coffee Breaks: As per daily schedule, in the foyer of the TransCanada Pipeline Pavilion (TCPL) *(included in workshop)*

MEETING ROOMS

All lectures will be held in the new lecture theater in the TransCanada Pipelines Pavilion (TCPL). LCD projector and blackboards are available for presentations.

SCHEDULE

Date	Time	Activity	Presentation Title
Aug 2	17:00	Registration Begins	
	19:00-21:00	Dinner	
Aug 3	7:00-8:15	Breakfast	
	8:30	Workshop starts, moderated by Dr. Gordon Huang	
	8:30-8:45	Welcome speech of Dr. Li Wanhong	
	8:45-9:00	Welcome speech of Dr. Chen Xi	
	9:00-9:30	Presentation of Chen Xiaohong	Selection of Optimal Distribution Curve for Non-stationary Flood Series
	9:30-10:00	Presentation of Li Jianbing	Investigation of groundwater-surface water interaction in the Kiskatinaw River Watershed, British Columbia
	10:00-10:30	Coffee Break	

	10:30-11:00	Presentation of Chen Xi	Rethinking the theory and methods of engineering hydrological computations under changing environments
	11:00-11:30	Presentation of Siddhartho Shekhar Paul	Object Oriented Classification of Landsat Imagery to Detect Land Use-Land Cover Change in Kiskatinaw River watershed, BC
	11:30-12:00	Presentation of Ni Guangheng	Redefine objective function for automatic calibration of hydrological models
	12:00-13:30	Lunch	
	13:30-14:00	Presentation of Usman Khan	Dissolved Oxygen prediction in the Bow River using fuzzy numbers
	14:00-14:30	Presentation of Huang Qiang	Variation Analysis of Precipitation and Runoff in Wei River Basin of China
	14:30-15:00	Presentation of Han jingcheng	SLURP-TGR： an improved distributed hydrologic model based on temporal variability representation of rainfall intensity
	15:00-15:30	Coffee Break	
	15:30-16:00	Presentation of Xiong Lihua	Statistics of Low Flow：derivation of the theoretical distribution of minimum streamflow series
	16:00-16:30	Presentation of Fan Yurui	State and Parameter Estimation of Hydrologic Models through a Coupled Ensemble Kalman Filter and Particle Filter
	16:30-17:00	Presentation of Li Yongping	Integrated Water Resources Management for Kaidu-Kongque Watershed
	17:00-17:30	Presentation of Cheng Guanhui	Improved SCA-Markov-Based Hydrologic Forecast
	18:00-20:00	Dinner	
Aug 4	7:00-8:15	Breakfast	
	8:30-9:00	Presentation of Liang Zhongming	Uncertainty Assessment of Hydrological frequency analysis
	9:00-9:30	Presentation of Li Zhong	Hydrological simulation based on stepwise cluster analysis
	9:30-10:00	Presentation of Shi Peng	Temporal and spatial analysis of precipitation in ShaYing River Basin
	10:00-10:30	Coffee Break	
	10:30-11:00	Presentation of Wang Xiuquan	Quantifying Uncertainty in Impacts of Climate Change on Hydrology and Water Resources: A Multimodel Ensembles Approach
	11:00-11:30	Presentation of Hu Hongchang	A nested experimental watershed in a rocky mountain area of northern China
	11:30-12:00	Check Out	
	12:00-13:30	Lunch	
	13:30-14:00	Presentation of Cheng Guanhui	Stochastic Differential Equations for Hydrological Modeling
	14:00-14:30	Presentation of Fan Yurui	Dual state estimation of hydrological models using Parelleled EnKF and Particle
	14:30-14:40	Summary by Dr. Chen Xi	
	14:40-14:50	Summary by Dr. Li Wanhong	