



FloodNet Annual General Meeting 2017 Scientific Program

NSERC Canadian FloodNet 3 rd Annual General Meeting: DAY 1 - 27 June 2017 Agenda	
Registration and Breakfast D1: 8:00-8:30 AM	Breakfast and Registration All participants register and enjoy breakfast
D1: 8:30-8:45 AM	Welcome, Introduction and Network Update <i>Dr. Paulin Coulibaly</i> , FloodNet Scientific Director
D1: 8:45-8:50 AM	Welcome Words from FloodNet Board of Directors <i>Dr. Alain Pietroniro</i> , Chair of FloodNet Board of Directors
SESSION 1: THEME 4 – RISK ANALYSIS OF PHYSICAL, SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF FLOODS Chairs: Bharath Raja & Ceara Talbot	
Project 4-1 M. Xenopoulos D1: 8:50-9:10 AM	Role of Floods on Aquatic Ecosystem Condition Environmental Effects of Flooding Project Update <i>M. Xenopoulos</i>
Project 4-3 A. Elshorbagy D1: 9:10-9:30 AM	Modelling-based Integrated Assessment on Flood Impacts on Urban and Rural Water Resources Systems Project Update <i>A. Elshorbagy</i>
Project 4-4 A. Elshorbagy D1: 9:30-9:50 AM	Flood Risk Analysis and its Utility for Management Decisions Framework for National Flood Risk Assessment for Canada Project Update <i>A. Elshorbagy</i>
Project 4-5 N. Yiannakoulias D1: 9:50-10:10 AM	Assessing and Planning for the Socio-Economic Effects of Floods Using Experimental Games to Understand Flood Decision Making Project Update <i>N. Yiannakoulias & D. Scott</i>
D1: 10:10-10:30 AM	Coffee Break
SESSION 2: THEME 2- QUANTIFYING AND REDUCING THE PREDICTIVE UNCERTAINTY OF FLOODS Chairs: Antione Thiboult & Amine Bessar	
Project 2-1 B. Tolson D1: 10:30-10:50 AM	Comparison of Ensemble Forecast Methods for Operational Streamflow Forecasting Based on a Single Model Project Update <i>Bryan Tolson</i>
Project 2-2 F. Ancil D1: 10:50-11:10 AM	Comparison of Ensemble Forecast Methods for Operational Streamflow Forecasting Based on Multiple Models Project Update <i>F. Ancil</i>

Project 2-4 F. Anctil D1: 11:10-11:30 AM	Evaluation of Flood Warning Based on Hydraulic Model with Assimilation and Hydrological Ensemble Forecasts Project Update <i>F. Anctil</i>
Project 2-5 A. Tilmant D1: 11:30-11:50 AM	Real-time Reservoir Operation Based on a Combination of Long-term and Short-term Optimization and Hydrological Ensemble Forecasts Project Update <i>A. Tilmant</i>
SESSION 3a: THEME 3 - DEVELOPMENT OF CANADIAN ADAPTIVE FLOOD FORECASTING AND EARLY WARNING SYSTEM (CAFFEWS) Chairs: Jongho Keum & Tara Razavi	
Project 3-1 P. Coulibaly & T. Stadnyk D1: 11:50-12:10 PM	Evaluation of Flood Forecasting and Warning Systems Across Canada Project Update <i>T. Stadnyk</i>
Project 3-2 A. Berg D1: 12:10-12:30 PM	Real-time Spatial Information Evaluation and Processing Project Update <i>A. Berg</i>
D1: 12:30-1:30 PM	Lunch
D1: 1:30-1:35 PM	Group Photo
D1: 1:35-2:20 PM	KEYNOTE ADDRESS Flood alert and runoff thresholds in some European warning systems and estimation in ungauged basins with asymmetric error functions <i>Dr. Elena Toth</i>
SESSION 3b: THEME 3 - DEVELOPMENT OF CANADIAN ADAPTIVE FLOOD FORECASTING AND EARLY WARNING SYSTEM (CAFFEWS) Chairs: Jongho Keum & Tara Razavi	
Project 3-3 W. Zhuang D1: 2:20-2:40 PM	Enhanced Information Communication Systems Project Update <i>W. Song</i>
D1: 2:40-3:00 PM	Coffee Break
Project 3-4 P. Coulibaly D1: 3:00-3:20 PM	Development of Canadian Adaptive Flood Forecasting and Early Warning System (CAFFEWS) Project Update <i>P. Coulibaly</i>
SESSION 4a: THEME 1 - FLOOD REGIMES IN CANADA: LEARNING FROM THE PAST AND PREPARING FOR THE FUTURE Chairs: Martin Durocher & Hussein Wazneh	
Project 1-1 D.H. Burn D1: 3:20-3:40 PM	Update of Current Flood and Storm Quantiles Project Update <i>D. H. Burn</i>
Project 1-2 F. Ashkar D1: 3:40-4:00 PM	Examination of Spatial and Temporal Variation of Extreme Events Project Update <i>F. Ashkar & D.H. Burn</i>

Project 1-3 A. Arain D1: 4:00-4:20 PM	Analysis and Applicability of Future Extreme Events in Regional and Local Context Project Update <i>A. Arain</i>
SESSION 5: NSERC CANADIAN FLOODNET POSTERS Chairs: Hussein Wazneh, Frezer Seid Awol & James Leach	
D1: 4:20 – 5:00 PM	Poster Pitch
D1: 5:00-6:30 PM	Poster Session and Networking
D1: 6:30-9:00 PM	Networking Dinner



To save trees the Book of Abstracts is **ONLY** available online.

If can be accessed on
www.nsercfloodnet.ca/annual-meeting-2017

or by scanning the QR code below.



**NSERC Canadian FloodNet 3rd Annual General Meeting:
DAY 2 – 28 June 2017 Agenda**

Breakfast D2: 8:00-9:00 AM	Breakfast and Networking (All Participants) Board of Directors Meeting Partner Advisory Committee Meeting
SESSION 4b: THEME 1 - FLOOD REGIMES IN CANADA: LEARNING FROM THE PAST AND PREPARING FOR THE FUTURE Chairs: Martin Durocher & Hussein Wazneh	
Project 1-4 V. Nguyen D2: 9:00-9:20 AM	Development of New Methods for Updating IDF Curves in Canada Project Update <i>V.T.V. Nguyen</i>
Project 1-5 A. Binns D2: 9:20-9:40 AM	Spatial Changes to Flood Prone Areas in Urban Environments Project Update <i>A. Binns</i>
Project 1-6 D. Burn D2: 9:40-10:00 AM	Development of a New Flood Estimation Manual for Canada Project Update <i>D.H. Burn</i>
D2: 10:00-10:20AM	Coffee Break
SESSION 6: WORKING GROUP PANEL DISCUSSIONS	
D2: 10:20-11:05 AM	Working Group # 1 Panel Discussion
D2: 11:05-11:50 AM	Working Group # 2 & 3 Panel Discussion
D2: 11:50-12:50 PM	Lunch
D2: 12:50-1:50 PM	Working Group #4 Panel Discussion
SESSION 7: PARTNER & COLLABORATOR INVITED PRESENTATIONS Chairs: Christina Fasching & Qiang Ye	
D2: 1:50-2:05 PM	Quantification of Predictive Uncertainty in Flood Forecasting using Bayesian Approaches <i>D. Biondi</i>
D2: 2:05-2:20 PM	Evaluation of Streamflow and Lake Inflow Forecasts from ECCC's Water Cycle Prediction System for the Great Lakes and St. Lawrence <i>V. Fortin, D. Durnford, Y.-L. Shin, M. Dimitrijevic, L. Benyaha</i>
D2: 2:20-2:35 PM	The 2013 Billion Dollar Flash Flood in Toronto – Challenges for Operational Forecasting and Nowcasting <i>D. Sills</i>
D2: 2:35-2:55 PM	Coffee Break
D2: 2:55-3:15 PM	ISAP & PAC Feedback
D2: 3:15-3:30 PM	Closing Remarks <i>Dr. Pietroniro & Dr. Coulibaly</i>