

# HIC 2014 - 11<sup>TH</sup> INTERNATIONAL CONFERENCE ON HYDROINFORMATICS

"Informatics and the Environment: Data and Model Integration in a Heterogeneous Hydro World"

New York, USA August 17 - 21, 2014

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Conference Time: 10/Oct/2014 11:14:58 am EDT

## Conference Agenda

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### Session Overview

#### Session

##### R56: Water Distribution Networks: Infrastructure Health

*Time:* Monday, 18/Aug/2014: 10:45am - 12:30pm

*Location:* Room 304

*Session Chair:* Theo G. Schmitt

3rd Floor Shepard

*Session Chair:* Anna Romanova

#### Presentations



##### Decision Tree Classification Model in Water Supply Network

**SUN Jilong**, WANG Ronghe, PING Junhui, CAI Liang, XIAO Chaohong

Key Clean Production Laboratory, Graduate School at Shenzhen, Tsinghua University, Shenzhen, Guangdong 518055, China

 [HIC2014-1199.pdf](#)

##### An Optimization and Decision Support Tool for Long-Term Strategies in the Transformation of Urban Water Infrastructure

**Theo G. Schmitt**<sup>1</sup>, Silja Worreschk<sup>1</sup>, Inka Kaufmann Alves<sup>1</sup>, Frank Herold<sup>2</sup>, Clemens Thielen<sup>3</sup>

<sup>1</sup>Institute of Urban Water Management, University of Kaiserslautern, Germany; <sup>2</sup>Fraunhofer Institute for Experimental Software Engineering (IESE), Germany; <sup>3</sup>Optimization Research Group, University of Kaiserslautern, Germany

 [HIC2014-1125.pdf](#)

##### VULNERABILITY ASSESSMENT OF WATER DISTRIBUTION SYSTEMS USING DIRECTED AND UNDIRECTED GRAPH THEORY

**Kegong Diao**, Raziyeh Farmani, Guangtao Fu, David Butler


University of Exeter, United Kingdom

 [HIC2014-1502.pdf](#)

##### AN EVOLUTIONARY POLYNOMIAL REGRESSION (EPR) MODEL FOR PREDICTION OF H2S INDUCED CORROSION IN CONCRETE SEWER PIPES

**Anna Romanova**, Asaad Faramarzi, Mojtaba Mahmoodian, M. Amir Alani

University of Greenwich, United Kingdom


 [HIC2014-1786.pdf](#)

##### Evaluation of Retrofitting Options in Urban Drainage Systems based on Flexibility: A Case Study For Nhieu Loc - Thi Nghe Basin in Ho Chi Minh City

**Mohanasundar Radhakrishnan**<sup>1</sup>, Chau Nguyen Xuan Quang<sup>2</sup>, Assela Pathriana<sup>1</sup>, Ho Long Phi<sup>3</sup>, Richard M Ashley<sup>1</sup>

<sup>1</sup>UNESCO-IHE Institute for water education, The Netherlands; <sup>2</sup>Center of Water Management and Climate Change (WACC), Viet Nam

National University - Ho Chi Minh City, Viet Nam; <sup>3</sup>Institute for Environment and Resources (IER), Viet Nam National University - Ho Chi Minh City, Viet Nam


 [HIC2014-1655.pdf](#)


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**NEWLY AUTOMATED SYSTEM FOR INTEGRATED ASSESSMENT OF THE CONDITIONS OF UNDERWATER GAS PIPELINES**

**Oleg Ilinich, Vadim Pryahin**

International Social Academy of Ecological Safety and Nature Management (ISAESNM), Russian Federation

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