



**HIC 2014**

### ***Mini-Symposium announcement***

# **Evolutionary Polynomial Regression (EPR) for Hydro-Engineering**

Dear Colleague,

we are pleased to invite you to the Mini-Symposium: “**Evolutionary Polynomial Regression (EPR) for Hydro-Engineering**”. The event will be organized in the **11<sup>th</sup> International Conference on Hydroinformatics (HIC 2014)** that will be held in **New York, USA, August 17–21, 2014**.

The aim of the Mini-Symposium is to attract state-of-the-art papers that deal with the use of the hybrid data-driven technique called Evolutionary Polynomial Regression (EPR). It combines numerical regression with the effectiveness of multi-objective optimization strategies using genetic algorithms for developing simple and easily interpretable mathematical model expressions.

Instead of its quite recent developing, the efficiency of EPR in producing closed analytical models to describe real phenomena from experimental data, motivated a number of its application on different topics including the investigation of performance indicators in water distribution and wastewater networks, scour depths downstream grade-control structures, explicit formulations of Colebrook-White friction factor, rainfall-groundwater dynamics, and other applications in geotechnical and structural engineering. This Mini-Symposium is intended to exchange experiences in EPR basic concepts, numerical problems and real world applications in Hydro-Engineering.

It is addressed to top researchers and specialists in the field attracting academic staff, researchers and post-graduate students, or even professional engineers and scientist seeking for advanced methodologies in demanding practical problems.

All conveners that will present a paper in this Mini-Symposium will be provided with the latest full version of EPR-MOGA XL tool and are invited to attend a 2 hours’ workshop on EPR-MOGA XL.

We hope to see you in New York next year to debate about this topic!

Best Regards, ***Orazio Giustolisi*** and ***Dragan Savic***



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