



European Geosciences Union General Assembly 2015

Vienna | Austria | 12 - 17 April 2015



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Orals HS3.1

HydroInformatics: computational intelligence, systems analysis, optimisation

Convenor: Elena Toth
Co-Convenors: Dimitri Solomatine and Robert J. Abrahart

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Monday, 13 Apr 2015

Room: R8
Chairperson: Dimitri Solomatine

Hydroinformatics for water resources optimisation and quality analyses

- 08:30-08:45 [EGU2015-232](#)
★ **Optimal reservoir operation policies using novel nested algorithms**
Blagoj Delipetrev, Andreja Jonoski, and Dimitri Solomatine
- 08:45-09:00 [EGU2015-5923](#)
★ **Handling time-expensive global optimization problems through the surrogate-enhanced evolutionary annealing-simplex algorithm**
Ioannis Tsoukalas, Panagiotis Kossieris, Andreas Efstratiadis, and Christos Makropoulos
- 09:00-09:15 [EGU2015-13821](#)
★ **Calibration of a Forecasting Algae Bloom Operational System in the North Sea: Use of Remote Sensing Images**
Ghada El Serafy
- 09:15-09:30 [EGU2015-14139](#)
★ **Explore the chaos behaviour of water quality variability: a case study at Huaihe River, China**
Bi Shi, Jiping Jiang, Bellie Sivakumar, Peng Wang, and Weiwen Zhou

Hydroinformatics for rainfall-runoff modelling in river basins

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