



# SUDSnet International Conference 2015

3<sup>rd</sup> & 4<sup>th</sup> September 2015. Techno-Centre, Coventry University, UK.

## SUDSnet 2015 - Event programme

### Day 1- Thursday 3<sup>rd</sup> Sept 2015

9.00 – 9.30 Registration

9.30 - 9.40 Introduction and conference welcome

9.40 -12.00 Session 1 - Post-graduate Session (Chair: Brian D’Arcy)

Time	Title	Author(s)
9.40	Retrofit SuDS: Distribution, Efficiency and Impact	Matthew Badger, Virginia Stovin, James Shucksmith, Kevin McCreath, Adam Brookes
10.00	Temporal Changes in Green Roof Hydrological Performance	Simon De-Ville, Virginia Stovin, Manoj Menon
10.20	Sustainable Drainage: end-of-life	Anne-Marie McLaughlin, Susanne Charlesworth, Steve Coupe, Eduardo De Miguel
10.40	Representing vegetation within a CFD pond model	Mahshid Golzar and Virginia Stovin
11.00	Creating a Sustainable Drainage Flood Management Decision Support Tool	Craig Lashford, Susanne Charlesworth, Matthew Blackett, Frank Warwick
11.20	Clogging Of Filtration Suds: Evaluation of the long-term performance of Scottish trunk road filter drains	Ged Mitchell
11.40	Re-visiting the first flush concept – stormwater runoff from industrial estates	Marta Ibanez, Allan Cundill, Brian D’Arcy, Mark Hammonds, Fiona Napier, Louise Asher, Rebecca Wade

12.00 -1.20 Networking LUNCH – registration continues

1:20 -1:40 KEYNOTE SPEAKER: Ignacio Andrés Doménech, UPV, Valencia, Spain.

Title: SUDS in the Mediterranean: the successful experience of the Valencian Region (Spain).

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## 1.40 -3.20 Session 2 - Eco-system Services and SUDS (Chair: Paul Shaffer)

Time	Title	Author(s)
1.40	Assessing the multiple benefits of SuDS: dealing with the uncertainties and a new approach to including flexibility	Richard Ashley, B Gersonius, Chris Digman, Paul Shaffer, A Baylis, Suzanne Simmons
2.00	SuDS, Ecosystem Services, Green-blue Infrastructure and the Leeds City Region: getting on the agenda	Louise Walker, Christian Berretta, Viki Hirst, Richard Ashley
2.20	The implications of movement of water through an urban catchment on the delivery of a range of ecosystem services	Lian Lundy, D. Mike Revitt, J. Bryan Ellis
2.40	Surface water management planning in Scotland	Alison Duffy, Gaye McKay, Neil McLean.
3.00	Designing additional benefits beyond water treatment in constructed wetlands and SuDS	Matthew Simpson, David Naismith

3.20 - 3.40 Break

## 3.40 – 5.20 Session 3 - Performance Testing (Chair: Mike Revitt)

Time	Title	Author(s)
3.40	The hydraulic, water quality and biological performance of pervious pavement systems with novel sub-base designs	Luis A Sañudo Fontaneda, Stephen J Coupe, Chris Griffiths
4.00	Influence of oil spills in abrasion resistance loss of porous asphalt pavements	Jorge Rodriguez-Hernandez, Valerio C. Andrés-Valeri , Miguel A. Calzada-Pérez , Ángel Vega-Zamanillo, Daniel Castro-Fresno, Daniel Jato-Espino
4.20	Performance of Stormwater Filters with Low Cost Materials (Coconut Fibre/Husks) for Caribbean Small Island Developing States (SIDS)	Kiran Tota-Maharaj, Denver Cheddie
4.40	The design, testing and use of geotextile barriers in drainage applications	Anne-Marie Mclaughlin, Stephen J. Coupe, Luis A. Sañudo-Fontaneda, Daniel Castro-Fresno, Elena Blanco-Fernandez
5.00	Research on novel highway filter drain designs for the protection of downstream environments	Stephen Coupe, Luis A Sañudo-Fontaneda, Susanne Charlesworth, Gordon Rowlands

5.20 - 6.00 Discussion and Close of Day 1

Conference Dinner – Evening of Sept 3rd at the Techno-centre

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## Day 2 - Friday 4<sup>th</sup> Sept 2015

9.00 – 9.20 **Registration**

9.20 – 11.00 **Session 4 - SUDS out of the Temperate Zone**

(Chair: David Butler)

9.20 - 9.40 **KEYNOTE SPEAKER: Kevin Winter, UCT, South Africa.**

**Title: Living on the edge: socially responsive SUDs and other technologies in informal settlements, South Africa**

Time	Title	Author(s)
9.40	<b>An investigation of the potential of using Sustainable Drainage Systems (SUDS) in West Africa using Lagos, Nigeria as a case study.</b>	Margaret Mezue, Susanne Charlesworth, Marion MacLellan, Frank Warwick, James Bennett
10.00	<b>Using environmental and energetic criteria for making decisions in stormwater management – Evidence from the Mediterranean Region.</b>	Sara Perales-Momparler, Rebecca Wade, Ignacio Andrés-Doménech, Ignacio Escuder-Bueno, Adrián Morales-Torres

10.30 - 11.00 **Break**

11.00 – 12.40 **Session 5 - Surface Water Management**

(Chair: Richard Ashley)

Time	Title	Author(s)
11.00	<b>A Methodology to Assess the Potential Impact of Swales on Groundwater Quality</b>	D. Mike Revitt, J. Bryan Ellis, Lian Lundy
11.20	<b>Potential of Pervious and Macro-Pervious Pavements as Harvesting Systems for Irrigation of Adjacent Lawns and Flower Beds</b>	Alan P. Newman, Ernest O. Nnadi, Fredrick U. Mbanaso
11.40	<b>SuDS behaving passively – designing for nominal maintenance</b>	Bob Bray
12.00	<b>Multiple Benefits from diffuse pollution mitigation</b>	Rebecca Wade
12.20	<b>The New SUDS Manual</b>	Bridget Woods Ballard, Helen Udale-Clarke, Suzanne Simmons, Paul Shaffer

12.40 - 2.00 **LUNCH**

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## 2.00 – 4.00 Session 6 (part 1) - Urban Hydrology (Chair: Bob Bray)

Time	Title	Author(s)
2.00	A spatial analysis of SUDS Retrofit: Case study of Coventry, UK.	Frank Warwick, Susanne Charlesworth
2.20	Rainfall-runoff simulations to assess the potential of different SUDS for mitigating surface water flow in urban watersheds	Daniel Jato-Espino, Susanne Charlesworth, Joseba R. Bayon, Jorge Rodriguez-Hernandez
2.40	Analysing time series rainfall to support the development of a code of practice for the testing of proprietary treatment products	Richard Kellagher, Bridget Woods Ballard, J. Bradley, M. Fairley, D. Jarman, S. Ramella

3.00 - 3.20pm Break

## Session 6 (part 2) (Chairs: Sue Charlesworth and Rebecca Wade)

Time	Title	Author(s)
3.20	"A relook at how we attenuate run-off for Brownfield and retrofit sites"	Anthony McCloy
3.40	Retrofitting rainwater harvesting to maximise SuDS benefit: A catchment scale assessment of a novel RWH configuration	Peter Melville-Shreeve, Seith Mugume, Sarah Ward, David Butler
4.00	Incorporating SuDS as part of urban design in the renewal of city landscape	Kevin Barton, Bob Bray

4.00 - 4.30pm Day 2 Final Discussion and Close of Conference

Poster Presentation: Janine Robinson: [janine.robinson@port.ac.uk](mailto:janine.robinson@port.ac.uk)

Exhibition space/sponsor: Marshalls [www.marshalls.co.uk](http://www.marshalls.co.uk)



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