SUDSnet National Conference 2009

Proceedings from this 2-day meeting can be accessed below. They include a mix of research and practitioner presentations on SUDS and SUDS-related topics.

CONFERENCE CONTACT NAMES:
SUDSnet Director: Prof. Chris Jefferies (UWTC, Abertay)
SUDSnet Network Manager: Dr. Rebecca Wade (UWTC, Abertay)
SUDSnet Coordinator at Coventry University: Dr. Susanne Charlesworth
SUDSnet Admin Assistant: Leanne Gallagher (UWTC, Abertay)

Proceedings from: SUDSnet 2009 (Sustainable Drainage Systems Conference)
Venue and Date: Coventry TechnoCentre. November 12th and 13th 2009

Click here for the conference book (pdf file)

Click on each presentation title below to view slides from the event

SUDSnet National SUDS conference 2009 – PROGRAMME

Day 1: Thursday 12th November 2009

9.30 – 10.30            REGISTRATION & TEA/COFFEE

10.30 Welcome and Announcements: Rebecca Wade (SUDSnet, University of Abertay Dundee) 5 mins
10.35 Introduction: Chris Jefferies (SUDSnet, University of Abertay Dundee) 10 mins
10.45 Keynote Speaker: Paul Shaffer (CIRIA)
Current Guidance and Best Practice
20 mins
10.55 Discussion
10 mins

Session 1: SUDS for Roads and New Developments
CHAIR: Chris Jefferies
11.05 Keynote: Neil McLean (SEPA)
Making In-Roads to Greening Streets
20 mins
11.25 Chris Jefferies (University of Abertay Dundee) co-authors: Taye Akinrelere, and Frank Guz
SUDS for Roads
20 mins
11.45 S Seekkubadu (Mayer Brown Ltd) co-authors: C Mant, JB Williams, P Stewart, E May, S Aldridge, W Brown
An Assessment of the Performance of Sustainable Drainage Systems Integrated into the Design of a Major Development Area
20 mins
12.05 Nicolas Bastien (Heriot-Watt University) co-authors: Scott Arthur, Stephen Wallis, Miklas Scholz
Towards Best Management of Runoff in New Developments
20 mins
12.25 Discussion
20 mins

12.45pm LUNCH and NETWORKING (Technocentre restaurant) 60 mins
POSTERS and DISPLAY STANDS (Conference rooms)
Session 2: Planning and SUDS

CHAIR: Rebecca Wade

1.45 Roger Nowell (GreenEstate) and Bob Bray (Robert Bray Associates Ltd)

A SUDS strategy and Planning Model to inform housing redevelopment in Sheffield

2.05 Steve Wilson (EPG Ltd) co-authors: Bob Bray, Simon Bunn, Eithne Flannagan

A Local Authority Adoption Guide for SUDS

2.25 Frank Warwick (Coventry University) co-authors: Susanne Charlesworth, Paul Cole, Jim Newton

Planning for the Bigger Picture: The Feasibility of Sustainable Drainage in Coventry

2.45 Bill Walton (Severn Trent Water)

Sustainable Drainage Systems Guidance
Severn Trent Water’s Approach to Adoption

3.05 Discussion

3.25 TEA/COFFEE and Networking

Session 3: SUDS Applications

CHAIR: Sue Charlesworth

3.45 Bruce Ferguson (University of Georgia, USA) co-authors: Olivia Mikalonis and Benjamin K Ferguson

Deck Construction and Performance for Impervious Surface Reduction

4.05 Matthew Travis (Enzygo Ltd) Co-author: Keelan R Serjeant

Keeping the Greens Green – Golf course SUDS and Rainwater Harvesting: A paradox of two holes

4.25 Bob Bray (Robert Bray Associates Ltd)

SUDS as an urban design discipline – providing added value to development

4.45 Discussion

POSTERS and DISPLAY STANDS (Conference rooms)

6.30 pm CONFERENCE DINNER (Technocentre restaurant)

Day 2: Friday 13th November 2009

9.00 – 9.30 Day 2 REGISTRATION & TEA/COFFEE

9.30 Welcome to day 2 and Announcements: Rebecca Wade (SUDSnet, University of Abertay Dundee)

10 mins

Session 4: SUDS and Floods

CHAIR: John Blanksby

9.50 Stephen Tingle (Renfrewshire Council)

Modular Surface Water Management Plan

10.10 Will McMinn (University of Edinburgh) co-authors: Qinli Yang, Miklas Scholz

Potential Use of Natural Flood Retention Wetlands to Control Diffuse Pollution

10.30 Discussion

10.50 am Parallel Workshops and TEA/COFFEE 60 mins

each
Workshop 1 - SUDS and Floods. Lead by John Blanksby
Workshop 2 - SUDS and Amenity – Value by design. Lead by Robert Bray

Session 5: SUDS Performance 1 (rainwater harvesting, paving and heat pumps)

CHAIR: John Howe

11.50 Stephe Coupe (Hanson Formpave) co-authors: Susanne Charlesworth, Amal Faraj
Permeable Paving and Rainwater Harvesting: Legislation and Performance

12.10 Jamie Beddow (Coventry University) co-authors: S Charlesworth, N Thomas, A Jones
An Investigation of Pollutant Retention By Tarmac Dry Pervious Pavement Structures

12.30 Kiran Tota-Maharaj (University of Edinburgh) co-authors: M. Scholz, P. Graboweicki, T. Ahmed, S. Coupe
Molecular characterization of bacterial populations in urban runoff for combined permeable pavements and geothermal heat pumps.

12.50 Discussion

1.10pm LUNCH and NETWORKING (Technocentre restaurant) 60 mins
POSTERS and DISPLAY STANDS (Conference rooms)

Session 6: SUDS Performance 2 (wetlands and ponds)

CHAIR: Steve Coupe

2.00 Kate Heal (University of Edinburgh) co-authors: Catherine Morgan, Steve Wallis, Rebecca Lunn
Improving the Design of Urban Stormwater Ponds

2.20 Miklas Scholz (University of Edinburgh) co-authors: Atif Mustafa, Rory Harrington
Microbial Communities Removing Nitrogen within an Integrated Constructed Wetland Treating Rural Runoff

2.40 Virginia Stovin (University of Sheffield), co-authors: Ian Guymmer, Jean Lacoursiere
Towards an understanding of the effects of vegetation on residence times in ponds

3.00 Discussion

3.20 TEA/COFFEE and Networking 20 mins

Session 7: Vegetated SUDS

CHAIR: Neil McLean (SEPA)

3.40 Susanne Charlesworth (Coventry University) co-authors: Ernest Nnadi, David Lawson
Utilising Green and Food Composted material in Vegetated SUDS Devices: Pillows and PVC

4.00 Virginia Stovin (University of Sheffield), co-authors: H. Kasmin and E. Hathway
Towards a generic rainfall-runoff model for green roofs

4.20 Michelle Mayer (Coventry University) co-authors: Susanne Charlesworth, Paul Cole
Using GIS to assess the pollution remediation characteristics of vegetated porous paving. Kenilworth, Warwickshire

4.40 Andy Waite (Coventry University) co-authors: Susanne Charlesworth, James Bennett
An Investigation of the Pollutant Retention and Hydraulic Properties of Various Grass Species for Utilisation in SUDS Devices.
5.00  Discussion  20 mins
5.20  Close of meeting  10 mins