In Conjunction with the...

IPWEA WA State Conference

CREATING BRIGHTER FUTURES

WA State Conference 2012

This year’s Hydropolis will be the Stormwater Theme of the IPWEA WA State Conference.

The recent drought and concerns about climate change have all highlighted the need to manage our water resources more sustainably. Over recent years, stormwater harvesting and reuse have emerged as a valuable field in sustainable water management.

The intention of this Theme is to present and discuss theory, case studies and the future of Stormwater Harvesting in Western Australia.

The Stormwater Theme will run for the full day on 14th March and SIA members are able to receive discounted tickets for this day.

Alternatively stormies may be interested in attending the full IPWEA conference which runs 14-16 March. Contact Cathy Higgs for full details of the IPWEA Conference - 9427 0870, events@ipwea.asn.au.

Cost:

Non members: $1,100 (inc GST)
SIA Members: $950 (inc GST)

Includes Morning Tea, Lunch, Afternoon Tea and Sundowner Valid for the Stormwater Theme on the 14th March. Standard rates apply for the rest of the conference.

Bookings: closes 2nd March 2012

Only 70 seats are available for this Theme, so book early to avoid disappointment

Contact Cathy Higgs (08) 9427 0870, events@ipwea.asn.au
Register Online: www.stormwaterwa.asn.au
8.00am - 8.30am  REGISTRATION AND COFFEE

8.30am - 9.00am  IPWEA Subdivision Guidelines Drainage Module Update
An IPWEA Representative will provide an update on the module as part of the Stormwater Stream.

9.00am - 9.30am  How much Runoff?
Coefficients for Urban Land Use in South West WA and a comparison between rational method and volumetric runoff coefficients.
**Presenters:** Jim Davies, JDA Consultant Hydrologists and John Argue, Adjunct Professor of Water Engineering, School of Natural and Built Environments, SA

9.30am - 10.00am  Stormwater Design Considerations – Manage the small and frequent rainfall events first.
This session will highlight the importance of designing for the ‘small’ event and to present the design processes required to achieve water sensitive design outcomes in the management of stormwater in urban areas.
**Presenter:** Bill Till, Department of Water

10.00am - 10.30am MORNING TEA

10.30am - 11:00am  A decade of sustainable stormwater management approaches - do we need to go back to basics?
This presentation focuses on the City of Gosnells' implementation of, and findings relating to their novel stormwater management approaches based on Water Sensitive Urban Design and “living stream” philosophies, on the grounds that this may be a more sustainable way of handling drainage within the urban fabric.
**Presenters:** Markus Botte, City of Gosnells

11.00am - 11:30am  Water Table Mounding Between Subsoil Drains
This session describes an experiment over winter 2009 and 2010 in which water table mounding between parallel subsoil drains was monitored using shallow water table monitoring bores in a green field site in south west of WA to provide data for model selection and calibration.
**Presenters:** Jim Davies, A Rogers and G Serafini, JDA Hydrologist Consultants
11.30am - 12.00pm  Stormwater Harvesting by Infiltration – Soil and Groundwater Limitations  
**Presenters:** Alex Rogers Senior Engineering Hydrologist, Jim Davies Managing Director, JDA Consultant Hydrologists Perth WA

12.00pm - 12.30pm  Stormwater Harvesting Solutions  
**Presenter:** Dr Darren Draper National Water Solutions Manager, Humes

12.30pm - 1.00pm  Diversion of Herdsman Lake Main Drain to Reduce Demand on the Superficial Aquifer  
**Presenters:** Brett Jackson Director Projects, Town of Cambridge and Nicholas Deeks Principal Waterways Engineer, GHD Perth

1.00pm - 2.00pm  LUNCH

2.00pm - 2.30pm  Stormwater Harvesting and Aquifer Recharge Projects City of Geraldton  
**Presenters:** Geoffrey Burton Project Co-Ordinator Department of Community Infrastructure, City of Greater Geraldton and Kieran Coupe Supervising Scientist, RPS Perth

2.30pm - 3.00pm  Alternative Water Supply Using Superficial Aquifer Interceptor Drain at Port Coogee  
**Presenter:** Shane McSweeney Managing Environmental Scientist, RPS Perth

3.00pm - 3.30pm  AFTERNOON TEA

3.30pm - 4.00pm  Managed Aquifer Recharge (MAR)- Potential Scheme at Nambeelup, Shire of Murray  
**Presenters:** Peter Kretschmer Environmental Modeller, Department of Water and Wendy Green Environmental Hydrologist, JDA Consultant Hydrologists Perth WA

4.00pm - 4.30pm  Stormwater Plenary Session  
To be chaired by Jim Davies, JDA Consultant Hydrologists and President of the Stormwater Industry Association of WA

4.30pm - 5.30pm  SUNDOWNER
REGISTRATION FORM

Surname: ___________________________________________ First Name: ___________________________________________

Position Title: ___________________________________________ Organisation: ___________________________________________

Address: ___________________________________________

Phone: ________________________ Email: ___________________________________________

Please indicate if you are a:

☐ Non Member
☐ SIAWA Corporate or Individual Member
☐ SIA Sustaining Member

☐ IPWEA Corporate Member
☐ IPWEA Young Member
☐ IPWEA Retired Member

PLEASE INDICATE THE SESSION YOU WISH TO ATTEND:

WEDNESDAY 14 MARCH 2012

STORMWATER

☐ IPWEA Sub-Division Guidelines Drainage Module Update
☐ How much Runoff? Coefficients for Urban Land Use in South West WA and a comparison between rational method and volumetric runoff coefficients
☐ Stormwater Design Considerations – Manage the small and frequent rainfall events first
☐ A decade of sustainable stormwater management approaches – do we need to go back to basics?
☐ Water Table Mounding Between Subsoil Drains

STORMWATER HARVESTING – SESSION 1

☐ Stormwater Harvesting by Infiltration – Soil and Groundwater Limitations
☐ Stormwater Harvesting Solutions
☐ Diversion of Herdsman Lake Main Drain to Reduce Demand on the Superficial Aquifer

STORMWATER HARVESTING – SESSION 2

☐ Stormwater Harvesting and Aquifer Recharge Projects City of Geraldton
☐ Alternative Water Supply Using Aquifer Recharge Aquifer Drain at Port Coogee
☐ Managed Aquifer Recharge (MAR) – Potential Scheme at Nambollup, Shire of Murray

PLENARY SESSION

☐ Stormwater

SOCIAL EVENTS

☐ MORNING TEA
☐ LUNCH
☐ AFTERNOON TEA
☐ SUNDOWNER & OFFICIAL OPENING OF THE INDUSTRY EXHIBITION

ONE DAY REGISTRATION RATES

Non-Member $1,100 (inc. GST)
SIA Member* $950 (inc. GST)
IPWEA Corporate Members and Members $950 (inc. GST)
IPWEA Young Members $650 (inc. GST)
IPWEA Retired Members $300 (inc. GST)

*This registration rate is valid for the Stormwater Stream on Wednesday 14th March 2012 only. Standard rates apply for the rest of the Conference.

FURTHER INFORMATION

Please mail, email or fax completed registration forms to:

Cathy Higgs - Conference Organiser
Institute of Public Works Engineering Australia - WA Division
PO Box 8463, Perth Business Centre, PERTH WA 6849
Tel:(08) 9427 0870 | Fax: (08) 9427 0871 | Email: events@ipwea.asn.au

Register Online: www.stormwaterwa.asn.au