

## Community Plumbing Challenge 2016

*Event concludes in South Africa, celebrating World Youth Skills Day*

This year's Community Plumbing Challenge (CPC2016) took place in the township of Diepsloot, north of Johannesburg, in South Africa, between 9 and 15 July, concluding as the world celebrated World Youth Skills Day.

Organised by IAPMO in collaboration with the World Plumbing Council (WPC), this growing international plumbing event aims to contribute to improvements in public health in regions where communities are threatened by a lack of basic sanitation and access to safe drinking water. More than 1,000 children die every day from preventable illnesses caused by poor sanitation.

For the 2.4 billion people around the world without access to toilets and clean drinking water, the Community Plumbing Challenge can deliver sustainable solutions by engaging with the global plumbing industry to achieve real and lasting benefits to these local communities.

Diepsloot is typical of many townships scattered throughout the region, with a lack of access to basic services such as running water, sewage and rubbish removal proving a challenge for local authorities, as well as a health hazard for local residents.

In this part of Diepsloot, between 13 and 45 households share the use of one toilet, tap and drain. Resident Philemon Mogasha despairs at the lack of essential sanitation, describing the impact on the water supply by constantly blocked drains. "The toilets are not suitable for people to use and the sewage is always running. It is bad for our health," Philemon said.

Four multi-disciplinary student teams, representing Australia, India, the United States and South Africa, travelled to Diepsloot to tackle the toilet problem. The teams were organised and sponsored through the efforts of WPC member organisations, including the Institute of Plumbing South Africa, the Indian Plumbing Association, the Plumbing Industry Climate Action Centre, Master Plumbers and Mechanical Services Association Australia and IAPMO, the Mechanical Contractors Association of America, PHCC, the Mechanical Contracting Education and Research Foundation and ASPE.

Eight defunct communal toilets required urgent upgrade in the township, calling for an approach that would be sustainable, effective and affordable. The teams collaborated to develop the best solution, testing their new designs before working with the local group, the Water, Amenities and Sanitation Services Upgrading Program (WASSUP) to successfully install and connect the toilets for the local residents.

For the student participants, this event offered an exclusive personal and professional development opportunity, focussing on education, training, skills development and cultural exchange. Their efforts manifested in practical action on the ground addressing design, construction and critical maintenance and sustainability of public health facilities. The memories and skills learned will last a lifetime and serve them well in their future careers as plumbers, architects, engineers and welders.

Project Leader Sean Kearney believes the impact on the local community will ensure the project continues into the future. "The forging of new partnerships makes small community actions much stronger and more long term," Mr. Kearney said.

The US Consul General Christopher Rowan, along with embassy staff and officials from visiting countries, attended the official launch event to hear speakers from host partners talk about the importance of CPC2016 and the



*Rory Macnamara, Plumbing Africa, discussing the challenge with Sam Dubazana, Soweto Plumbing Academy, at the Diepsloot work site*



*Stacey Walker, First Secretary Policy to the Australian High Commission visited the Diepsloot worksite*



*Team USA installing a toilet with the US Consular General Christopher Rowan looking on*



*Nick Joubert, IOPSA Training Manager discussing the project with Jennifer van den Bussche, Sticky Situations, Diepsloot*

impact the teams' work will have on the local community's future economic and social development.

U.S. Consul General met with Team USA, and spent time getting to know each of them. He also toured the designated Team USA site within Extension 1, Diepsloot, where its communal toilet facility designs were to be installed, also spending time with local host partners, who informed him of their roles in CPC2016.

Stacey Walker, First Secretary Policy, and Sarah Withers Dippenaar, Senior Research and Program Officer with the Australian High Commission met with the Australian Team Leader Greg Tink who introduced them to each of the team members as they toured the workshop area. Walker and Dippenaar were exceptionally intrigued by what the project was about, how it was being supported, and what the individual team members' contributions to the project had been.

Mr Kearney also spoke of the importance of global partnerships working together to see projects like the Community Plumbing Challenge continue to make a positive difference in the lives of the millions living in impoverished conditions. "It's the global, national and local collaborations that make CPC2016 work; none of this can be done alone," he said.

The Diepsloot challenge was hosted by the not-for-profit Water, Amenities and Sanitation Services Upgrading Program (WASSUP) along with the Diepsloot Arts and Culture Network. Working with Health Habitat Sanitation Studio, and facilitated in South Africa by Sticky Situations, the event was also supported by Autodesk Education Experiences and the Wot-if Trust.

The World Plumbing Council and its members are committed to making a contribution to the sustainability of communities such as Diepsloot and the World Health Organisation's Sustainable Development Goals. In particular:

- ensuring availability and sustainable management of water and sanitation for all
- making cities, human settlements inclusive, safe, resilient and sustainable for good health and well-being.

CPC2016 will wrap up at the World Plumbing Conference, which is set to take place in Cape Town, South Africa, on 15-16 September. The performance of the communal toilet designs will be showcased, based on the results of data logging and water metering of the new designs over the next two months.



*Darshana Agrawal and Aakanksha Kapse, members of Team India completing patch up work on the toilet cubicle*



*Kerri Nevala, Lila Johnson, members of Team USA cutting pipe thread*

## Messe Frankfurt supports the World Plumbing Conference

*Win a trip for two people to ISH at the World Plumbing Conference!*

ISH is the world's largest industrial exhibition for the combined topic of water and energy. Be it for sustainable sanitation solutions, innovative bathroom design, energy-efficient heating technology combined with renewable energies, or environmentally sound air-conditioning, refrigeration and ventilation technology – the leading world trade fair, held every two years, exhibits a range of products, which cover, in both breadth and depth, all aspects of future-proofed buildings and building services solutions.

Over 2,400 exhibitors, including all market leaders from Germany and elsewhere, will be presenting, for the first time, their new products and world firsts – market ready technologies and solutions – in Frankfurt am Main from 14 to 18 March 2017.

With some 200,000 visitors, ISH is the world's leading trade fair in its sector and is a must-attend event for trade professionals working in the fields of sanitation, heating and air-conditioning. The slogan for ISH 2017 is "Water. Energy. Life.", clearly indicating the focus of this leading world trade fair.

### WPC delegates can win a trip to ISH

**Messe Frankfurt has, for several years now, been working closely with the World Plumbing Council. Their commitment, however, goes even further this year. At the World Plumbing Conference on 15 September in Cape Town, South Africa, all registered delegates will be entered into a draw to win a VIP trip to ISH 2017, including airfares (economy) and hotel accommodation for 4 nights.**

Further information about ISH can be found at: [www.ish.messefrankfurt.com](http://www.ish.messefrankfurt.com)

A poster for the ISH 2017 trade fair in Frankfurt. The top left features the ISH logo in large, colorful letters. To its right, smaller text reads: "The world's leading trade fair. The Bathroom Experience, Building, Energy, Air conditioning Technology, Renewable Energies". Below this, it says "Frankfurt am Main, 14. 18. 3. 2017". The center of the poster has the slogan "Water. Energy. Life." above a large, stylized globe that is split vertically: the left half is yellow and orange, representing energy, and the right half is blue and white, representing water. At the bottom right, there is a small logo for "messe frankfurt".



# World Plumbing Day 2016 International Poster Competition

## Clean sweep for Jamaican school

Congratulations to Corinaldi Avenue Primary School in St James, Jamaica, whose students won not just one, but first, second and third prizes in this year's World Plumbing Day International Poster Competition.

Adrianna Allen, a grade 4 student, took out first prize, winning USD\$100, while her classmate Neil Graham won USD\$50 for coming second. Prudent Salmon from grade 3, won third place, receiving USD\$25.

More than 300 posters were created by students from nations around the world including Australia, Brazil, China, England, Germany, India, Poland and the USA. The initial panel of judges was made up of plumbing installers, plumbing contractors, plumbing engineers, designers and estimators, plumbing distributors as well as the management and staff of the International Association of Plumbing and Mechanical

Official's Backflow Prevention Institute and the publishers and staff of the Backflow Prevention and Plumbing Standards magazine. None of the judges selected were from any location from which students had submitted posters.

These judges reduced the number of finalists in the poster competition to ten, which were judged by the delegates to the 2016 World Plumbing Council General Meeting on the 27th April 2016, in Warsaw, Poland. First, second and third place prize winners were selected at that meeting and the winners announced shortly thereafter.

Allen Inlow, Chairman of World Plumbing Day and the Poster Competition was shocked that all three winners hailed from the same school. "This amazing achievement speaks very well of the educational program of Corinaldi Avenue Primary School, and their commitment to educating their students about health, safety and the environment. Their sweep of all the 2016 awards, and the fact that they have done it once before, and are competitive every year, is an achievement that all of their school, their teachers and parents, everyone in Jamaica can and should be proud of," he said.

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In addition to the students' prize money, the school received USD\$1,750. The Acting Principal of the school, Hillary Foster, said the money will be used to boost the school's art program.

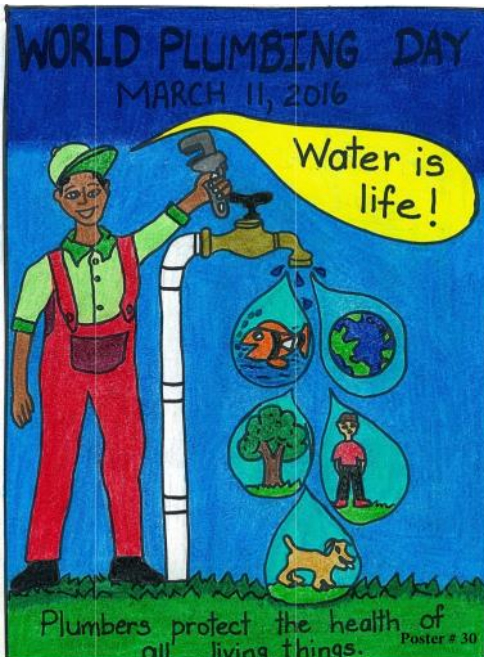
"We are going to use the money to put our mission statement on the wall, do more murals...basically to boost our art program," she said.

The World Plumbing Day International Poster Competition is open to students in grades 1 to 5, and is designed to bring awareness to World Plumbing Day, held each year on 11 March.

This international event is initiated by the World Plumbing Council to celebrate the important role plumbing plays in protecting the health and safety of society. Visit [www.worldplumbingday.org](http://www.worldplumbingday.org) to learn more.



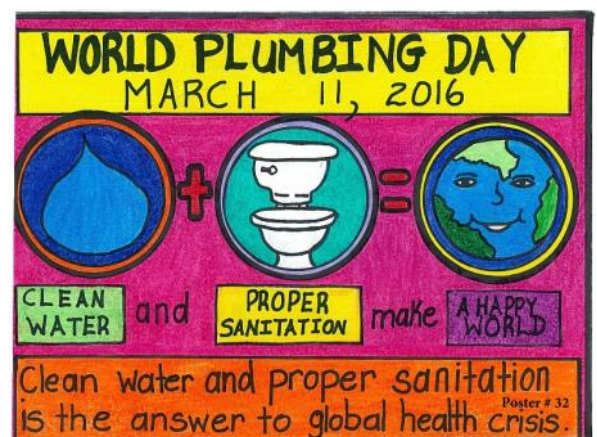
The winning students, from left, Adrianna Allen, Neil Graham and Prudent Salmon



First Prize went to Adrianna Allen for her "Water is life" message



"Reduce your water footprint" was the theme of Neil Graham's second place poster



Prudent Salmon's colourful reminder that "Clean water and proper sanitation is the answer to global health crisis" won her third prize



# COUNTDOWN TO THE 11<sup>th</sup> World Plumbing Conference, Cape Town, 15 & 16 SEPTEMBER 2016 HAS BEGUN

## 14TH SEPTEMBER - WPC TRI-ENNIAL MEETING

**Regulations for sustainable plumbing – a case for international standards** is the theme and based on the major influence water has on each of the four pillars;

### Energy/environment/sanitation/water.

This conference will seek OUTCOMES to a variety of issues affecting our world and particularly developing countries.

#### Some of the planned outcomes, but not confined to, are;

- Research
- Water Efficiency Labelling systems
- Water recycling policy
- Are our regulations and standards in keeping with the needs of supplying basic human rights like water and sanitation? Where to now?
- We are doing well – but well enough? What do we need to do to do better?
- Plumbers to claim back their industry.
- Is plumbing contributing or seizing growth opportunities?

#### World renowned keynote speakers will set the tone and the delegates will debate and seek outcomes to challenge industry and government;

- Prof Mike Muller – Conference Chair, SA
- Dr Doulaye Kone - Senior Programme Manager, Bill & Melinda Gates Foundation, USA
- Mr. Shayne La Combre – Plumbing Industry Climate Action Centre, Australia
- Mr. Dave Viola – COO and Senior VP of IAPMO, USA
- Mr. Dhesigen Naidoo – CEO Water Research Commission, SA
- Dr Sadhvir Bissoon – Executive (Standards Division), South African Bureau of Standards (SABS)

#### Other speakers/ session chairs

- |  |  |
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| <ul style="list-style-type: none"> <li>• John Joseph - India</li> <li>• Erwin Fidelis Reisch – Germany</li> <li>• Domenico DiGregorio – USA</li> <li>• Prof Lynne Jack - UK</li> <li>• Alberto J. Fossa - Brazil</li> <li>• Ian Isaacs and Clyde Koen – SA</li> <li>• Frans Alferink -Netherlands</li> <li>• Jonathan Cooper - UK</li> </ul> | <ul style="list-style-type: none"> <li>• Sun Kim - USA</li> <li>• Nina Viljoen and Aden Veldsman - SA</li> <li>• Deon Pohorille - SA</li> <li>• John Telford - SA</li> <li>• Frederick C Schilling - USA</li> <li>• Evert Swanepoel - SA</li> <li>• George N Thomson - UK</li> </ul> |
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Gala dinner guest speaker: Lewis Pugh, Ocean advocate

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For the full programme visit  
[www.wpc2016.co.za](http://www.wpc2016.co.za)

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#### ORGANISERS:



GO TO [www.wpc2016.co.za](http://www.wpc2016.co.za) or  
[www.worldplumbing.org](http://www.worldplumbing.org)  
for registration form and details of this exciting and  
essential event

## CIPHE President makes history

The UK's Chartered Institute of Plumbing and Heating Engineering held its AGM on in June when Paul Williams was elected as National President and Geoff Westall was voted in as the Vice President.

At just 39 years of age, Paul became one of the youngest Presidents in the Institute's 110-year history. He has been a member for 21 years and has served as the Branch Secretary for South Wales. Paul is also a trained Professional Standards Inspector and attained Master Plumber status in 2006.

He went on to talk about the work the Institute is doing at the moment and praised its latest venture: webinars.

"In May this year we launched a 'virtual branch' where we had a webinar on central heating system water treatment, best practice. This was an excellent presentation and was viewed by over 500 installers." Further presentations are scheduled for September, October and November.

As well as being a plumber, Paul spent several years working as a plumbing lecturer and still visits colleges to recruit members. In his term of office, Paul said one of his priorities is to promote careers in the plumbing and heating industry. [www.ciphe.org.uk](http://www.ciphe.org.uk) has more information.



## New UK online learning centre

In line with its commitment to help plumbing and heating organisations develop successful and profitable businesses, The UK's Association of Plumbing and Heating Contractors (APHC) has launched its new Online Learning Centre.

The new online facility offers learning products tailored specifically for the plumbing and heating industry. Providing access to bite-size courses covering key business development areas, it has been designed to make learning accessible to all businesses, without the need to travel to a learning centre.

See [www.aphc.co.uk](http://www.aphc.co.uk) for more detail.



### **Dates for Your Diary** **World Plumbing Day** **March 11 Every Year, Everywhere**

**World Plumbing Council Triennial General Meeting**  
Capetown, South Africa, September 14, 2016

**11th World Plumbing Conference & Expo**  
Capetown, South Africa, September 15 – 16, 2016

**IAPMO 87th Annual Education & Business Conference**  
Albuquerque, New Mexico, September 25 – 30, 2016

**2016 ASPE Convention & Exposition**  
Phoenix, Arizona, USA, October 28 – November 2, 2016

**ISH Frankfurt**  
Frankfurt am Main, Germany, March 14 – 18, 2017

**Members, if you have conferences or events that you would like listed here please send the details to**  
[secretariat@worldplumbing.org](mailto:secretariat@worldplumbing.org)

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**The World Plumbing Council aims to unite the world plumbing industry and promote the role of plumbing in improving public health and safeguarding the environment for the benefit of all**

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