

Water Innovation  
& Research  
Centre



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## Upcoming Events

8 May 2019: '[Role of nanomaterials in waste water purification](#)' by [Professor Vinod Kumar Gupta](#) from the University of Johannesburg

29 May 2019: '[Improved capacitive deionization by using novel carbon materials](#)' by [Professor Dengsong Zhang](#) from Shanghai University

14 June 2019: [GW4 WSA Conference "Delivering water security through co-designed research"](#), M Shed, Bristol

Please note that all these events are free and open to all.

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**Professor Marcelle McManus nominated for regional award**

awards 2019. She is one of 100 women from the region to be shortlisted and has been nominated in the Most inspirational woman in STEM in the West 2019 category. [Read more about the nomination here!](#)

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## TU Delft Research Visit – Olivia Bailey

Olivia Bailey from WISE CDT conducted a research visit at TU Delft in the Netherlands between January-May 2019. Olivia joined the New Urban Water Transport Systems project which has huge support from water companies, consultancies and local governments working within the Dutch water sector. This visit has furthered the development of an integrated water cycle model to observe the effects of future water use scenarios on the urban water cycle. [Read more on our blog.](#)

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## Water Journal: Special Issue "The Challenges of Water Management and Governance in Cities"

WIRC Director Jan Hofman and Professor Kees van Leeuwen are guest editors in the special issue "The Challenges of Water Management and Governance in Cities" of *Water* journal. [Read more about the special issue and access articles here.](#)

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## Water Industry Forum Team Challenge for Young Water Professionals 2019

Franciszek Bydalek from FRESH CDT and the Department of Chemical Engineering took part in the WIF Team Challenge for Young Water Professionals 2019, and he recently attended the judging and final presentations event at the London headquarter of Arcadis. The challenge was focused around circular economy, and the winner was a smart water meter concept. [Read Franciszek's blog to learn more about the challenge and the interesting presentations.](#)

## In the media

- Russell Arnott, WEIR PhD student, joins Sky News "Deep Ocean Live" segment as expert on oceans. 20 March 2019.  
Watch: <https://www.youtube.com/watch?v=T0h67oRMD6k&feature=youtu.be>
- Russell Arnott and Tom Arnot in "[World Water Day 2019: Shocking facts about Earth's most precious resource](#)". Newsweek, 22 March 2019.
- John Hart, WEIR PhD student, discusses his research on coastal erosion around the Pembrokeshire coastline. BBC Countryfile, 7 April 2019.  
Watch (from 28:10): <https://www.bbc.co.uk/iplayer/episode/m00042mn/countryfile-national-parks>
- Olivia Bailey's webinar for the IChemE Water Special Interest Group: "Sewer Networks of the future". 9 May, 9-10am. More information and register to attend: <https://www.icheme.org/membership/groups/special-interest-groups/water/events/09-05-19-sewer-networks-of-the-future/>.

## Recent publications

- Developing a Stochastic Sewer Model to Support Sewer Design under Water Conservation Measures. *Bailey O, Arnot T, Blokker E, Kapelan Z, Vreeburg J & Hofman J*, 2019. <https://doi.org/10.1016/j.jhydrol.2019.04.013>

2019. <https://doi.org/10.1016/j.electacta.2019.04.061>

- COMBI, continuous ozonation merged with biofiltration to study oxidative and microbial transformation of trace organic contaminants. *Zoumpoulis G, Scheurer M, Brauch H-J, Kasprzyk-Hordern B, Wenk J & Happel O*, 2019. <https://doi.org/10.1039/C8EW00855H>

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## Upcoming Conferences

10 - 14 June 2019: Edinburgh, United Kingdom, [LET2019- The 16th IWA Leading Edge Conference on Water and Wastewater Technologies](#)

16 - 20 June 2019: Berlin, Germany, [12th IWA International Conference on Water Reclamation and Reuse](#)

23 - 27 June 2019: Toronto, Canada, [International Young Water Professionals Conference](#)

You can find all IWA events on their [website](#).



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