

Water Innovation  
& Research  
Centre



UNIVERSITY OF  
**BATH**

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## Upcoming events

19 November 2019: [Research on advanced treatment technologies for water reclamation](#) by [Luuk Rietveld from TU Delft](#)

12 December 2019: WIRC student seminar

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

## News



### [Prof Jan Hofman has accepted a part-time position in KWR Water Research Institute](#)

Prof Jan Hofman, Director of Water Innovation and Research Centre and Professor on Water Science and Engineering in the Department of Chemical Engineering since 2015, has accepted a part-time (20%) position at KWR Water Research Institute as Principal Scientist in the Industry, Wastewater and Reuse (IAR) team. The

with a focus on urban water management and water security.



### [WIRC@Bath - 5th Anniversary research poster event 2019](#)

Research students and staff from across the University joined us to celebrate the 5<sup>th</sup> anniversary of [WIRC@Bath](#) with a poster session on 10<sup>th</sup> September 2019. Thanks to a strong turn-out from our water community, there were 30 innovative water research projects on show, illustrating the breadth of water related research across the campus, and a number of opportunities for new collaborations were identified.



### [GW4 Water Security Alliance Introductory event](#)

Last week saw the first event of a GW4-wide series of Water Security Alliance (WSA) introductory seminars, this one held here in Bath. The aim was to introduce the alliance to colleagues in the GW4 universities, as well as to encourage discussions about potential collaborations and new projects. We thank Andrew Schofield (Cardiff), Dr Jeffrey Neal (Bristol), Professor Raziye Farmani (Exeter) and Dr Susan Conlon (Bristol) for taking the time to join us to talk about the aims and opportunities of the WSA and their research. If you

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[See slides here](#)

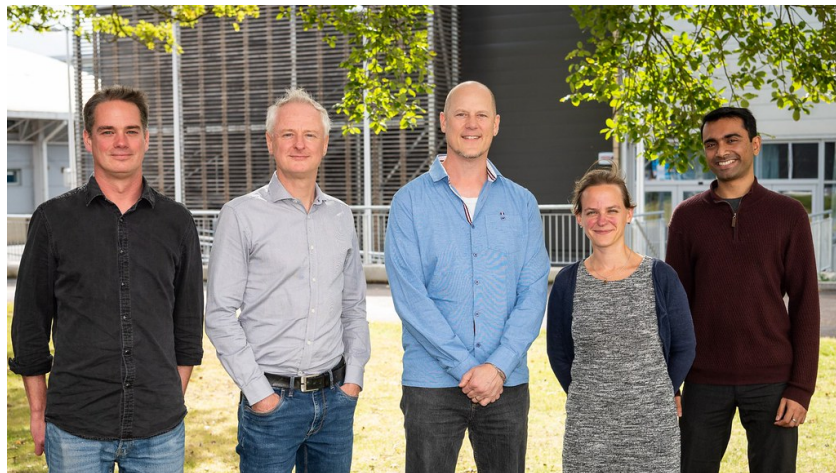
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## [FRESH CDT project call now open for third cohort of PhD applicants](#)

[GW4 FRESH CDT](#) is now advertising another batch of projects in freshwater bioscience and sustainability for an October 2020 start. Closing date is 16th December - interviews will likely take place at the Water Research Institute, Cardiff University (tbc) in w/c 17 February 2020.

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## Research



## [IMI secondment on machine learning controls for wave energy converters](#)

Dr Andrew Hillis from the [Department of Mechanical Engineering](#) and [Centre for Power Transmission and Motion Control](#) joins IMI with his secondment project titled "Machine learning for improved modelling and control of wave energy converters".

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## Blog



## NextGen Project Steering Board Meeting

On 25 and 26 September 2019, the [NextGen](#) Project Steering Board (PSB) meeting was held in Basel, Switzerland, organised by one of the leading universities of applied science in Switzerland, the Fachhochschule Nordwestschweiz (FHNW). From University of Bath, Professor Jan Hofman and Dr Jungeun Kim (Department of Chemical Engineering) and Jessica Lloyd-Evans (Institute for Policy Research) participated.



## Sewer Processes & Networks and Resource Recovery conferences

Olivia Bailey, a [WISE CDT](#) PhD researcher based within WIRC, recently attended the Sewer Processes and Networks Conference in Denmark, and the IWA Resource Recovery Conference in Venice. At these conferences she presented her paper 'Predicting Impacts of Water Conservation with a Stochastic Sewer Model' and other work amounting from a collaboration with colleagues at TU Delft, Netherlands.





## [FRESH Induction Week in Wales](#)

The FRESH CDT training programme got underway with an induction week of talks and team building exercises in Wales from 14/10/19 – 21/10/19. The first half of the week consisted of talks on challenges and progress in the water sector at the Water Research Institute at Cardiff University, and the second half was spent in the water rich Brecon Beacons National Park. [New Bath-based FRESH CDT student Tomo Homan writes more on his blog.](#)



## [River Avon and historical floods](#)

Ioanna Stamataki from the Department of Architecture & Civil Engineering and [WEIR](#) took part in this year's [FUTURES 2019](#): European Researchers' Night event and led a walking tour of the River Avon and its historical floods. If you missed the tour, you can read more about Pulteney Weir and the historical flood marks underneath Ha'penny Bridge on the [Hydric-Bath blog](#).

## Recent publications

- [Identifying the origins of extreme rainfall using storm track classification](#). Barnes A P, Santos M S, Garjo C, Mediero L, Prosdocimi I, McCullen N and Kjeldsen T R, 2019.
- [Hydrodynamic Response and Power Efficiency Analysis of Heaving Wave Energy Converter Integrated with Breakwater](#). Reabroy R, Zheng X, Zhang L, Zang J, Yuan Z, Liu M, Sun K & Tiaple Y, 2019.
- [Ozonation in the Framework of Sustainable Future Water Management](#). Wenk J, Zoumpouli G & Chew J, 2019.

## Upcoming conferences

12 November 2019: Chicheley, Buckinghamshire, [Mixing in the Water Industry](#)

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### [Water Engineering Specialist Conference](#)

1 - 5 December 2019: Murdoch, Australia, [16th International Specialised Conferences on Small Water and Wastewater Systems](#)

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

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