

Water Innovation
& Research
Centre



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Upcoming events

25 March 2020: IPR public lecture series - [Reflections on UK rivers and aquatic ecosystems](#)

26 March 2020: [From research to practice: innovation pathways for water technologies](#) by [Dr Jo Burgess](#) from [Isle Utilities](#)

2 July 2020: [GW4 Water Security Alliance Annual Conference](#), Assembly Rooms, Bath

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

News

[Young Professionals address their Water Security Challenges in Cities in sub-Saharan Africa](#)

Jan Hofman is leading a workshop on water security in sub-Saharan cities at the African Water Association 20th International Congress and Exhibition in

International Water Association (IWA), presents results from the assessments of urban water management using the City Blueprint Approach.



**GW4 WSA PHD
CON2020**

KNOWLEDGE FLOW
BUILDING BRIDGES BETWEEN SCIENCE &
COMMUNITY

UNIVERSITY OF EXETER Centre for Water Systems theflowpartnership Erasmus+

[GW4 WSA PHD CON2020: Knowledge Flow – Building Bridges between Science & Community](#)

A team of PhD students from across the GW4 are holding the first GW4 Water Security Alliance (WSA) PhD conference on the 29th of April in Bristol.

A call for abstracts for a flash talk or a poster presentation is now open until 22 March for PhD, masters and research staff from all disciplines, with an interest in water security issues.

[Register for a poster or a flash talk, or as a delegate](#)

Research



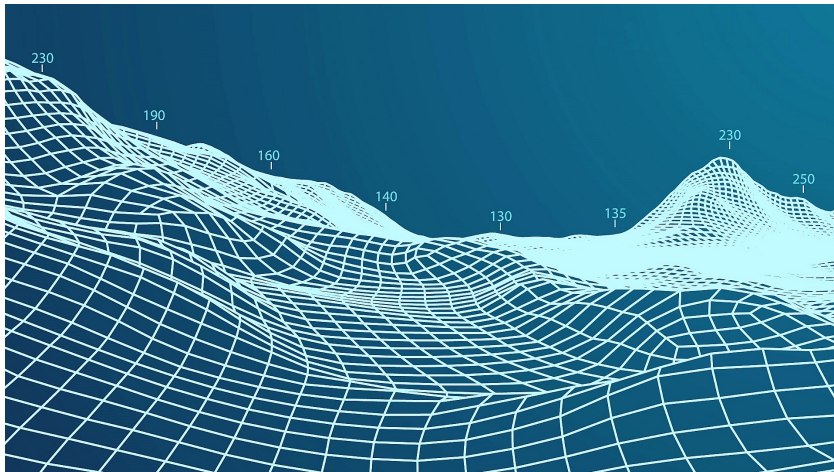
[WIRC researchers try out “The Wave” on a fact-finding mission](#)

[The Wave](#) near Bristol is an inland surf centre, providing a variety of impressive waves, for avid surfers and potentially researchers too. WIRC was one of the first to meet them. Philippe Blondel and Chris Blenkinsopp report on the exploratory visit facilitated by the [Public Engagement Unit](#).



[Harnessing the sun to bring fresh water to remote or disaster-struck communities](#)

A device that takes a novel approach to removing salt from water has been developed in Bath, led by Professor Frank Marken and PhD student Budi Riza Putra, both from the Department of Chemistry. The research, conducted in partnership with Indonesia's Bogor Agricultural University and the University of Johannesburg, is paving the way for small, solar-powered desalination units.



[IMI develops AI to map marine environments](#)

The Institute for Mathematical Innovation ([IMI](#)) has developed an Artificial Intelligence (AI) algorithm which could improve how we monitor our marine territories. The [Defence and Security Accelerator](#) (DASA), a part of the Ministry of Defence (MoD), contracted the IMI and [Systems Engineering & Assessment Ltd](#) (SEA) to develop this AI model, which can automatically classify underwater environments directly from sonar measurements.

Blog



Juliana Marcal: Assessment and Quantification Methodologies for Water Security Workshop

Juliana Marcal, a WISE CDT Cohort 5 student, recently attended a workshop organised by the [Water Europe working group "Water Security"](#) and titled "Assessment and Quantification Methodologies for Water Security" at KWR in the Netherlands.



A week in Japan: microbial ecology research in water engineering and natural water systems

[Vicky de Groof](#) is a final year PhD student at CSCT (Centre for Sustainable and Circular Technologies) and a FIRE Fellow who specialises in water and bio-waste research. In November 2019, she attended the [8th International Specialist Microbial Engineering and Water Engineering \(MEWE\) conference](#), an event organised by the [International Water Association \(IWA\) MEWE specialist group](#).

Recent publications

- [Predicting impacts of water conservation with a stochastic sewer model](#). Bailey O, Arnot T C, Blokker E J M, Kapelan Z & Hofman J A M H, 2020.
- [Towards a sustainable bio-economy: Working in harmony with the environment–food–energy–water nexus](#). Samsatli S, Martinez-Hernandez E & Ng KS, 2020.
- [Photocatalytic immobilised TiO₂ nanostructures via fluoride-free anodisation](#). Taylor C M, Mattia D & Wenk J, 2020.

Upcoming conferences

15 - 17 April 2020: Cardiff University, UK, [IWA YWP UK Conference Cardiff 2020](#)

1 - 5 June 2020: Reno, United States, [LET2020 – The 17th IWA Leading Edge Conference on Water and Wastewater Technologies](#)

8 - 12 June 2020: Espoo, Finland, [Nutrient removal and recovery conference](#)

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

Let us know if you are aware of any new colleagues or students working within water research at the University of Bath, so that we can add them to our mailing lists!



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