Information and news from WIRC @ Bath.

Contents

Upcoming events

REDAWN Webinar: Saving energy in water networks | 29th October | 15:00 - 16:00 CET | https://bit.ly/2SVf1oN

REDAWN Webinar: Micro hydropower in water networks | 5th November |15:00 - 16:00 CET | https://bit.ly/2T5ZCCh

| https://bit.ly/373FHf7

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

News

Metropolitan and Household Water Insecurity: Novel Tools for Achieving SDG6

On 26 August 2020, an online session was held during the World Water Week, organised by the Stockholm International Water Institute (SIWI), presenting simple tools for guiding water security planning and investments at metropolitan and household levels. The session was organised by Dr Sera Young of the Northwestern University in Chicago and the discussion was led by Andy Roby of DFID.

WIRC contributed to the presentation given by Prof Kees van Leeuwen, who held the position of Global Chair and David Parkin professorship in 2018-19. He presented his work on the city blueprint methodology and the work KWR, Bath and UNESCO conducted in five African cities.

Other presentation included the GIZ/IWaSP Scenario Planning Tool, used to prioritise investments, addressing water security threats, the Household Water Insecurity Experiences Scale (HWISE), the Sustainable Water and Sanitation Index of Oxfam. Dr Alexandros Makarigakis presented how these tools fit in UNESCO's vision for metropolitan water security.

The presentations and webcast of the session can be found here.

Jan Hofman

Water Innovation Strategy

Since January 2020 UKWIR, Water UK and the 17 UK water utility companies have been working together with Arup, and in consultation with the wider water stakeholder group, to develop a common strategy for innovation in the water utility space, looking towards 2050. This was launched on 14th October 2020 as the "Water Innovation 2050 Strategy", and aims to help shape the delivery of the new £200M Ofwat Innovation Fund.

Read more

WIRC colloquium series

The WIRC water colloquia series returned this month, with a talk from Dr Jo Burgess. A Senior Technology Consultant at Isle Utilities, Dr Burgess delivered a fascinating talk on the challenges of launching new technologies in the water sector. The talk and subsequent Q&A can be watched on the WIRC video library: https://www.bath.ac.uk/corporate-information/from-research-to-practice-innovation-pathways-for-water-technologies-by-dr-jo-burgess/

Our next webinar will feature Prof Arben Merkoçi of ICN2. Full details and the registration link can be found here: https://www.bath.ac.uk/events/wirc-water-colloquium-19-11-2020/.

We have reserved spaces in December and February for PhD students and postdoctoral researchers. If you would like to present at our series, please get in touch with Stuart Bennett: sb2454@bath.ac.uk. The webinar could feature just one presentation, or a handful of smaller presentations from a group. This is an excellent opportunity to showcase your work to our community.

Grant clinics

proposals on which they are currently working. Participants in the clinics are given the opportunity to present their research idea to a panel of experts assembled by the WIRC team, and they then receive confidential constructive feedback on how to improve their proposal. The aim of these clinics is to make grant proposals as strong and competitive as possible, thus increasing their likelihood of success.

If you have a research idea you would like to develop into a grant proposal, or you if are already working on a proposal and would like to do some fine tuning before submitting it, please contact Stuart Bennett (sb2454@bath.ac.uk) to organise a grant clinic. Our last two clinics received positive feedback from the participants, who have said that they provide an invaluable opportunity to gather expert opinion prior to submitting a funding bid.

WIRCall mailing list

Most of WIRC's activities and events are publicised via the WIRCall mailing list. If you are aware of any colleagues, be they internal or external, who is not on the list, but should be, please email Stuart Bennett: sb2454@bath.ac.uk

Research

Bath academics to help track coronavirus in schools by monitoring wastewater

Scientists and engineers from the University of Bath are set to investigate how monitoring wastewater at schools in England could provide an early warning system for coronavirus outbreaks.

The status awarded of Chartered Environmentalist (CEnv) by the Society for the Environment

Dr Junjie Shen has recently been awarded the status of Chartered Environmentalist (CEnv) by

CEnv chartership demonstrates a high degree of expertise in their field and a commitment to environmental best practice and professional standards. Junjie completed his chartership through the Institution of Environmental Sciences.

Read more: [Institution of environmental science webpage](#)

Blog

[Full programme announced: GW4 WSA Annual Conference - Mon 2 - Wed 4 November 2020](#)

The GW4 WSA's annual conference is next week and full details of the programme have been released. This year's conference will provide attendees with opportunities to lean about the breadth of research taking place across the GW4, share water-related research experiences with academics and stakeholders, as well as helping to inspire and support the next generation of water researchers.

Register for conference

Recent publications

- ["Corrigendum to "Enantiomeric profiling of quinolones and quinolones resistance gene qnrS in European wastewaters"](#) *Water Research*. Castrignano, E, Yang, Z, Feil, EJ, Bade, R, Castiglioni, S, Causanilles, A, Gracia-Lor, E, Hernandez, F, Plószi, BG, Ramin, P, Rousis, NI, Ryu, Y, Thomas, KV, de Voogt, P, Zuccato, E & Kasprzyk-Hordern, B
- ['Forecasting resilience profiles of the run-up to regime shifts in nearly-one-dimensional systems',](#) *Journal of the Royal Society, Interface*,Adamson, MW, Dawes, JHP, Hastings, A & Hilker, FM

Flooding through the Ages: The City of Bath', presented as part of the 2020-21 Minerva lecture series.

12th Micropol & Echohazard Conference - Santiago De Compostela, Spain, 6 - 10 June 2021 - Extended Abstract Submission deadline - 30 November 2020

Upcoming conferences

16 December 2020 - 19 December 2020, India, Vellore: 1st Trans-Asia IWA Young Water Professionals Conference on Smart Technologies for Water and Wastewater Treatment

07 April - 09 April 2021 Bordeaux, France: 11th IWA Efficient Urban Water Management Conference

09 May 2021 - 14 May 2021 Copenhagen, Denmark: IWA World Water Congress & Exhibition 2021

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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