



ASCE EWRI | WATER DISTRIBUTION SYSTEMS ANALYSIS The Communication Pathway Task Committee



E-Newsletter (2021-12)

Dear Water Distribution Systems Analysis (WDSA) Community

We hope this email finds you and your loved ones well! Welcome to our first edition E-Newsletter. Our Communication Pathway Task Committee plans to have a monthly E-Newsletter starting December 2021.

The purpose of the Communication Pathway task committee is to,

- i) develop a centralized communication mechanism for WDSA members and
- support and enhance existing outreach, dissemination, and promotion processes to encourage dialog and collaborations between the water industry and the research community.

The proposed task committee will inform its audience about emerging challenges and recent advances. It will also promptly address gaps in the knowledge base, enabling the community to generate timely and real-world solutions to the challenges. WDSA Communication Pathway will eventually help cement and expand EWRI and WDSA roles in communicating water industry subject matters.

We have several items in the first issue, and we hope you find them useful.

2nd WDSA/CCWI Joint Conference | The Battle of the Intermittent Water Supply

Pedro L. Iglesias Rey's team has recently published the announcement of a new battle titled "The Battle of the Intermittent Water Supply (BIWS)," to be held at the 2nd WDSA/CCWI Joint Conference in Valencia, Spain, in July 2022. BIWS aims to work on a water distribution network with insufficient supply capacity caused by increasing demands and growing leakage. The only way to supply water under these conditions is to define a series of operating shifts so that each user only receives water during certain periods of the day. Instructions of

BIWS and information about the conference can be accessed at:

https://wdsa-ccwi2022.upv.es/battle-of-water-networks/



The <u>Battle</u> Of Intermittent Water Supply

and Affort. The man cause for this situation is due to lack of maintenance and lack of corted of nonumption, which greatly increases leaks and NRW. A network with uncontrolled demand annot be pressured begond a few means of water column. A last solution to recover sense in the network at to fall back on intermittent supply by zones. There is great interest noticed in increasing the 24-hour continuous supply in these networks and restoring the sould research to indirect values.

In a charge or the this state, competents as to not the seat southers to revenue the substants of measured from irrelative supply to continue of 24-70 supply with nodes) persuase. The current state and mode of operation of a given pilot network will be the stating point of the buttle. Leaks are assumed proporties and will be provided as stating data. The demand is statified currently through obsolution of others or ground level statis, which data are given as well. Besides, the total quantity of water available is limited.

Although recovering romal supply conditions is a complex problem, the basis will focus or improving the relocativishationus. It is susuand that the manager has a certain amount money to linear annually, for a period of the years. A series of possible actions to take a decident dealth with an associated cost and a degree of achievement of the objections. The for decident states high participants will be availabled through a set of althy indicators. Enably, the be southour will be the one that managers the sum of all these indicators, previously normalized. Identical single series or participant.



Tom Walski's Blog

Tom Walski has a blog where he talks about various topics related to water and sewers,

including frequent entries related to water distribution system analysis. These can be accessed at:

https://blog.virtuosity.com/tag/water-and-wastewater

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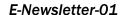
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Tom Walski, Ph.D., P.E.

Thomas Walski is a senior product manager at Bentley Systems, Inc. He has 40 years of experience in applied hydraulics. He is author of hundreds of journal papers and conference presentations and is the author or co-author of several books. He has won numerous awards for his work such as the best distribution and plant operation paper in the Journal AWMO on three occasions. In addition to developing software, he has served as a distribution system operations manager, engineering manager for a large water company, executive director at a regional sewer system and a university professor.









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New Book Publication by Mohammad Karamouz

Mohammad Karamouz has just published a new book, "Water Systems Analysis, Design, and Planning: Urban Infrastructure."





EWRI Speaker Registration

This is a friendly reminder for the EWRI Speaker registration. We hope to see many of you in Atlanta, GA!

https://www.ewricongress.org/



E-Newsletter Initiative:

As mentioned, we decided to start with a monthly newsletter. To do this, we will need your help! If you have any newsworthy information, please send them to Juneseok Lee and Mohsen Mohsen Agashahi ANYTIME! We will publish the monthly newsletter by the second week of every month. Any short blurb or link will work perfectly!

Industry-Academia Webinar Series

We would like to initiate webinar series starting 2022, and we also welcome your feedback. Here is the shared spreadsheet, where you can add information about the

talk of interest you or your colleague can give to our broader community. The combined spreadsheet allows us to decide/ plan to hold the webinars either bimonthly or quarterly. So, please help us with your input! Again, email to Juneseok Lee and Mohsen Agashahi will also work great!

WDSA Communication Pathway Speakers List

Thank you very much for your considerations! Sincerely,

The Communication Pathway Task Committee

Communication Pathway Members

Mohsen Aghashahi Texas A&M-San Antonio (Secretary)
Mirjam Blokker KWR

Ben Chenevey ARCADIS
Jim Cooper ARCADIS

Armando Di Nardo Univ. della Campania Luigi Vanvitelli

Walter Grayman Walter Grayman Consulting

Terra Haxton USEPA

Sri Kamojjala Las Vegas Valley Water District Jonathan Keck Exelon Aquify (Vice-Chair)

Kevin Lansey Univ of Arizona

Juneseok Lee Manhattan College (Chair)

Pedro L. Iglesias Rey Universidad Politécnica de Valencia

Juan Saldarriaga Universidad de los Andes Lina Sela Univ of Texas Austin

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