



Eduardo Bautista

Eduardo Bautista, is the recipient of the 2017 Award for the Advancement of Surface Irrigation for leadership and vision in implementing software to advance surface irrigation technology.

Bautista is an engineer with the USDA Agricultural Research Service in the US Arid-Land Agricultural Research Center in Maricopa, Arizona. He conducts research aimed at improving water management in irrigated agriculture and assessing the environmental impacts of irrigation. His research focuses on the hydraulics and hydrology of on-farm and project-scale irrigation systems. His work also encompasses non-technical aspects of irrigation, including institutional, managerial, and social organizational aspects.

Bautista has advanced surface irrigation through his research on hydraulic modeling of surface irrigation systems, software development, publications, and outreach. The impact of his work is well known in the irrigation community. Bautista had led the development team for WinSRFR, a software program for designing and evaluating surface irrigation systems. The software was developed for the USDA National Resources Conservation Service (NRCS) and is used worldwide for practical analyses of irrigation systems, research, and education. WinSRFR hides many of the complexities of hydraulic analysis of irrigation systems and

provides results that are accessible to a wide range of software users, regardless of their technical background. He is well respected by the international community and has provided training on surface irrigation and the use of WinSRFR around the world.

A 28 year member of ASABE, Bautista is a past leader of the ASABE Arizona section and the Surface Irrigation technical committee. He is also a member Environmental and Water Resources Institute of the American Society of Civil Engineers, where he served as leader of technical and organizational committees, and as chair of the Irrigation and Drainage Council. He currently serves with the Board of Directors of the United States Committee on Irrigation and Drainage. He is an associate editor with the *Journal of Irrigation and Drainage Engineering, Irrigation Science*, and is a member of the editorial advisory board for *Agricultural Water Management*.

Bautista has authored or coauthored more than 90 refereed journal articles, book chapters, conference proceeding papers, and other publications. He has received several paper awards from the *Journal of Irrigation and Drainage Engineering* and also a best reviewer award from that same publication.