

# **William Gonwa, Ph.D.**

**Professor, Program Director for Civil Engineering at Milwaukee School of Engineering**  
Milwaukee, WI, US

Dr. William Gonwa focuses on the water resources area of civil engineering including collection systems and stormwater management.

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## **Biography**

Professor William Gonwa has worked in the fields of wastewater collection, storm water management, and flood protection since 1984. He received his doctorate from Marquette University, his masters from the University of Kentucky, and his bachelors from the University of Wisconsin-Madison, all in civil and environmental engineering. Dr. Gonwa is on the faculty of the Milwaukee School of Engineering (MSOE). He started as a part-time adjunct professor in the Masters of Science in Environmental Engineering Program in 2002. In 2010, he accepted a full-time appointment in the Civil and Architectural Engineering and Construction Management Department. As of the fall of 2019, Dr. Gonwa has been serving as the program director for the Civil Engineering degree. Prior to 2010, Dr. Gonwa spent 25 years as in consulting engineering at CH2M Hill, Crispell-Snyder Consulting Engineers, Symbiont Science, Engineering, and Construction, including two years volunteering In Panama doing development projects. He is a registered professional engineer in the State of Wisconsin. Dr. Gonwa is fluent in Spanish having lived and worked in Mexico, Panama, and Peru for several years. Dr. Gonwa coordinates foreign learning experiences for department student. He enjoys riding bicycle for pleasure and commuting and plays clarinet in the Wauwatosa Community Band.

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## **Areas of Expertise**

Civil Engineering, Water Resources Engineering, Wastewater Collection, Stormwater Management, Flood Control, Statistics, Infiltration and Inflow

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## **Affiliations**

Central States Water Environment Association, Water Environment Federation, American Society of Civil Engineers, Environmental Water Resources Institute, Chair, Environmental Water Resources Institute World Congress 2024

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## **Event and Speaking Appearances**

### **Why 100-year rainstorms occur so frequently**

Central States Water Environment Association Collection System Seminar

### **Are the Rational and NRCS CN/UH Methods for Estimating Peak Flow Rates in Rural Areas Accurate?**

ASCE Wisconsin Section Spring Technical Conference

**Accuracy of NRCS Runoff and Curvilinear Unit Hydrograph Approach for Estimating Peak Flow**  
Stormcon 2019

**Does the Rational Method for Estimating Peak Flow Rates Still Work?**  
Stormcon 2018

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## **Education, Licensure and Certification**

**Ph.D.**  
Civil Engineering Marquette University

**Registered Professional Engineer**  
Wisconsin and Illinois

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## **Accomplishments**

**Coauthor of Improving Model Hydrology Accuracy Using Antecedent Moisture Modeling: Reparameterization Update and Case Study**  
Presented at the International Conference on Water Management Modeling 2022. Voted best presentation of the conference. By David Edgren, Robert Czachorski and William Gonwa.

**Best Technical Presentation, Illinois Section American Water Works Association Watercon**  
2011

**HydroLearn Fellow**  
Summer 2020

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