# **Evaluator:** Ben D. Giudice, Ph.D., P.E.

# **Evaluator Info:** Associate Professor of Civil Engineering, George Fox University, Newberg, OR

Principal/Resource Director (part-time), Robertson-Bryan, Inc., Rancho Cordova, CA

# **Education**

* PhD, Environmental and Water Resources Engineering, minor in Ecotoxicology

University of California, Davis, 2012.

* MS, Civil and Environmental Engineering, University of California Davis, 2007.
* BSE with Honors, Civil Concentration, Calvin College, 2005. Minored in Business.

# **Professional Registration**

* Professional Engineer (Civil), California No. 81595

# **Employment Experience**

* George Fox University, Newberg, OR.
  + Assistant Professor of Civil Engineering 2016-2021.
  + Associate Professor of Civil Engineering 2021-2024 (tenured, 2022).
  + Interim Chair of Dept. of Mechanical, Civil, and Biomedical Engineering 2023
* Robertson-Bryan, Inc., Rancho Cordova, CA.
  + Principal/Resource Director (part-time) 2023-2024.
  + Associate (part-time) 2022.
  + Senior Engineer (full-time) 2013-2015, (part-time) 2016-2021.
  + Project Engineer, 2009-2012.
* Graduate Student Researcher, University of California, Davis

Civil and Environmental Engineering Department, Davis, CA, 2005 – 2012.

* Engineering Technician, Soil and Materials Engineers, Grand Rapids, MI, 2004.
* Tutor, Calvin College Rhetoric Center, Grand Rapids, MI, 2002 – 2005.
* Engineering Intern, V3 Infrastructure Services, Woodridge, IL, 2002.

# **Memberships in Professional Societies**

* American Society of Civil Engineers
* Association of Environmental Engineering and Science Professors

# **Awards and Honors**

* Christian Engineering Conference, *Best Paper Nominee*, 2024
* Holman Summer Research Grant, *Residential Agrivoltaics: A Continued Study on Energy Efficiency and Water Conservation in the Urban Landscape*, 2021.
* Katherine Bisbee II Fund of the Oregon Community Foundation Grant, Oregon Alliance of Independent Colleges & Universities, *A Closer Look Into the Economic Benefits and Feasibility of Small Off-Grid Residential Agrivoltaics in Oregon Communities,* 2022.
* Katherine Bisbee II Fund of the Oregon Community Foundation Grant, Oregon Alliance of Independent Colleges & Universities, *Residential Agrivoltaics: A Continued Study on Energy Efficiency and Water Conservation in the Urban Landscape,* 2021.
* Holman Summer Research Grant, *Residential Agrivoltaics: Energy Efficiency and Water Conservation in the Urban Landscape*, 2020.
* Katherine Bisbee II Fund of the Oregon Community Foundation Grant, Oregon Alliance of Independent Colleges & Universities, *Residential Agrivoltaics: Energy Efficiency and Water Conservation in the Urban Landscape,* 2020.
* KEEN, Florida Institute of Technology, *Entrepreneurial Minded Making.* Subgrant. 2020.
* KEEN, George Fox University Campus 2020 KEEN Rising Star. 2020.
* George Fox University Faculty Development Grant - *Shortening the Ripening Period for Biosand Filters*, 2019.
* George Fox University Faculty Development Grant - *Evaluation of Nutrient and Metals Removal Using Agricultural Byproducts in Bioretention Systems*, 2018.
* Katherine Bisbee II Fund of the Oregon Community Foundation Grant, Oregon Alliance of Independent Colleges & Universities, *Evaluation of Nutrient and Metals Removal Using Agricultural Byproducts in Bioretention Systems*, 2018.
* George Fox University Innovation Grant – Engineering Masters 4+1 Program Research Project, 2017.
* Carollo Fellowship (outstanding graduate student), Dept of Civil and Environmental Engineering, UC Davis 2009.
* National Science Foundation Graduate Research Fellowship, 2007 – 2012.
* Dean’s List, Calvin College, 2001 – 2005.
* Chambery Health Scholarship, Calvin College, 2003.
* National Merit Finalist, National Merit Scholarship Corporation, 2001.

To briefly introduce myself, I am an Associate Professor of Civil Engineering at George Fox University and a Principal/Resource Director (part-time) at Robertson-Bryan, Inc. I earned my Ph.D. in Environmental and Water Resources Engineering with a minor in Ecotoxicology from the University of California, Davis, in 2012. My educational journey also includes a Master of Science in Civil and Environmental Engineering from the same institution, completed in 2007. I began my academic career with a Bachelor of Science in Engineering with Honors, specializing in Civil Engineering, from Calvin College in 2005, where I also minored in Business. This diverse academic background has equipped me with a robust foundation in both engineering principles and interdisciplinary approaches.

Throughout my career, I have applied my extensive knowledge to various projects and roles that require a deep understanding of environmental and water resources engineering. My professional experience spans research, design, and implementation of solutions aimed at addressing complex environmental challenges. I have consistently demonstrated the ability to integrate technical expertise with practical applications, ensuring that projects are not only theoretically sound but also feasible and effective in real-world scenarios.

In addition to my technical skills, I hold a Professional Engineer (P.E.) registration, which underscores my commitment to maintaining high standards of practice in the field. This certification has enabled me to take on greater responsibilities and leadership roles within projects, further honing my ability to manage teams and deliver results that meet both regulatory requirements and client expectations. My role often involves bridging the gap between technical details and broader project goals, ensuring seamless communication and execution.

My career has been characterized by a dedication to continuous learning and professional development. I have actively sought opportunities to expand my expertise, whether through advanced academic pursuits or practical, hands-on experience in the field. This approach has allowed me to stay at the forefront of advancements in civil and environmental engineering, positioning me as a knowledgeable and reliable professional in my field.

Sincerely,

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Ben D. Giudice, Ph.D., P.E.

Associate Professor of Civil Engineering

George Fox University