Incorporating Resiliency into Infrastructure Research & Life-Cycle Assessments
Research Internship Experience in Auckland, New Zealand
Summer 2018

ABOUT THE PROGRAM
Incorporating Resiliency and Energy Into Infrastructure Research & Life-Cycle Assessments is a proposed undergraduate student research opportunity over 8-10 weeks. You will be supervised by world-class researchers at a university or government institute in New Zealand working in the area of infrastructure robustness and vulnerability, as well as potentially assessing the costs and outcomes of energy-based sustainability and probabilistic hazard occurrences as part of the life-cycle assessment of buildings, water systems, and other critical assets.

INCLUDED IN PROGRAM
• 3-week Introduction course in asset management (3 credit hours; counts as a technical or general elective)
• 8-10 weeks of research internship experience in structures, water, or life-cycle energy (starting June 11th, optional)
• 1-credit hour capstone course upon return to the main campus in fall

PROVIDED BY IES ABROAD
• Housing: Shared hostel accommodations
• Field Trip: Waiheke Island (2 days/1 night)
• Day Trip: Rotorua
• Welcome & Farewell Dinners
• Guided City Tour
• Lecture on Local and Maori History

FACULTY LEADER
Kevin Walsh, PhD, PE
Director of Resiliency and Sustainability of Engineering Systems
574.631.3469 | kwalsh8@nd.edu
Department of Civil & Environmental Engineering & Earth Sciences, 200 Cushing Hall