



## “Sustainable Conservation – Heading for Harmony”

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### **Biography:** Dr. Lukas Swan, Dalhousie University

Lukas Swan, PhD, PEng, is an assistant professor of Mechanical Engineering at Dalhousie University where he directs the Renewable Energy Storage Laboratory and lectures on topics of the same. He is involved with both R&D and commercial aspects of a broad array of renewable and alternative energy technologies. His passion is sustainable and efficient energy generation, storage, and conversion mechanisms, with the intent of displacing conventional fossil fuel use. Dr. Swan and his research group focus their objectives on developing energy storage technologies and management methods to allow for the increased integration of renewable energy with the electricity grid. The majority of their applied research is conducted with collaborating industry partners, and is immediately employed in technical and business decisions. Dr. Swan received his BSc at California Polytechnic (Cal Poly SLO) and both his MASc and PhD from Dalhousie University in Nova Scotia. He lives in Lawrencetown Beach with his wife and two young sons.