

Stephen Walker, MSc.
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Employment History

Stephen Walker is the Educational Services Manager at Building Enclosure Labs Inc. (BELi). He was previously employed at Sciencetech Inc as Vice President of Technology where he managed the Engineering team and led projects and Business Development activities.

Education & Teaching

UWO Undergraduate Physics laboratory supervisor.

MSc. Applied Physics, University of Waterloo, Waterloo ON

BSc. Physics Honours, University of Waterloo, Waterloo ON

Notable [past employer] Projects

- Developed and administered new educational laboratory experiments for UWO's undergraduate physics laboratory course (1800 students)
- Managed test instrumentation development projects for a diverse range of clients such as NASA, JPL, ESA, Meta, Amazon and many other institutions and universities

BELi Projects

Developed a hands-on educational game that presents players with building science knowledge and then challenges players to successfully apply that knowledge to complete the challenge.

Produced an online interactive course about whole building air tightness testing. Assisted in delivering the hands on portion of the course

2 dimensional hygrothermal simulation and analysis of the dynamic buffer zone present in a large institutional building in Toronto ON undergoing a retrofit. The analysis is used to inform the retrofit decision making process.

Recent Speaking Events

- Guest lecturer: Fundamentals of biomedical engineering BME 9508A: Optical Engineering (2023)

Publications

- Ryan Sawyer, Andrew Brzezinski, Stephen Walker and Heather MacGillivray, Sciencetech, Inc. UVSolutionsmag.com
Solar Simulators and Ultraviolet Radiation: Insights from Space-Based and Biological Applications (2023)
- E. A. Lalla¹, M. G. Daly¹, A. Quaglia², S. Walker², G. Flynn², G. Levy², E. Sawyers^{1,4}, G. Lopez-Reyes³, and M. Konstantinidis^{1,4}
53rd Lunar and Planetary Science Conference (2022)
"Combined Measurements by laser-induced breakdown spectroscopy and laser induced molecular spectrometry for planetary exploration"

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