



Russell Richman Consulting Ltd.

THERM Workshop 2013

June 13 and 14, 2013

8:30am to 5pm

Ryerson University or University of Toronto (St. George Campus)
(Final Location to be Determined)

Cost - \$750 (+HST) *visit rrcl.ca for payment options*

Maximum participants is 20 (first come, first served)

Whether a beginner user or one with moderate experience, this workshop will elevate your skills and understanding of 2-dimensional conduction based simulation using THERM and WINDOW programs to model building envelope details. Focus will be placed on window assemblies and simulation to support Passive House certification as supported by PHIUS and PHI.

Proposed Schedule

Day 1 (June 13, 2013)

Morning

- Heat transfer mechanisms for windows and walls
- Drawing in THERM

Afternoon

- Advanced rules and guidelines (drawing, simulating, importing)

Day 2 (June 14, 2013)

Morning

- Passive House protocol (ISO/CEN)
- Ψ -factor calculations for windows

Afternoon

- Ψ -factor calculations for building enclosures

About the Instructor

Russell Richman, Ph.D., P.Eng. is President of RRCL and an Assistant Professor in the Building Science Graduate Program within the Department of Architectural Science at Ryerson University. Russell has been using THERM and WINDOW to support practicing, teaching and researching in the combined fields of Building Science and Sustainable Buildings for over 15 years. Russell is also a member of the PHIUS Technical Committee and is a PHIUS Window Simulation Certifier.

For more information, please visit: www.rrcl.ca & www.ryerson.ca/richman