

# Lethbridge Number Theory and Combinatorics Seminar

Monday — March 7, 2016

Room: C630

Time: 12:00 to 12:50 p.m.

## Alia Hamieh

### Determining Hilbert modular forms by the central values of Rankin-Selberg convolutions

*Abstract:* In this talk, we give a brief overview of adelic Hilbert modular forms. Then, we show that the central values of the Rankin-Selberg convolutions,  $L(g \otimes f, s)$ , uniquely determine an adelic Hilbert modular form  $g$ , where  $f$  varies in a carefully chosen infinite family of adelic Hilbert modular forms. We prove our results in both the level and weight aspects. This is a joint work with Naomi Tanabe.

**EVERYONE IS WELCOME!**

Visit the seminar web page at  
<http://www.cs.uleth.ca/~nathanng/ntcoseminar/>



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