

**Submittee:** Nils Bruin

**Date Submitted:** 2010-09-14 11:19

**Title:** Pacific North West Number Theory Conference 2010

**Event Type:** Conference-Workshop

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**Location:**

SFU

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**Dates:**

May 8-9, 2010.

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**Topic:**

Number Theory

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**Methodology:**

Lectures

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**Objectives Achieved:**

This meeting successfully brought together graduate students, postdocs and faculty in number theory from the region. Participants learned about number theoretic research performed in the area and in the world (we also had some non-local speakers) and had many opportunities to extend their network of contacts. We also agreed that Western Washington University in Bellingham will try to organize the event in 2011.

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**Scientific Highlights:**

The first speaker, William Stein, described some partial results together with the missing cases that would complete the work. Michael Stoll, another speaker and PIMS distinguished visitor, recognised the missing cases as a problem he knew how to solve. Subsequently, the two speakers got together and completed the result. It is rare that meetings produce scientific results in such a direct way and we are very happy that PNWNTC and PIMS were able to facilitate. A paper is forthcoming.

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**Organizers:**

Bruin, Nils, Mathematics, SFU / Choi, Stephen, Mathematics, SFU

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**Speakers:**

The Erdos discrepancy problem, Michael Coons (University of Waterloo) // Shimura curves and p-adic representations, Matthew Greenberg (University of Calgary) // Are there arbitrary long arithmetic progressions in the sequence of twin primes?, Janos Pintz (Renyi Institute Budapest) //

Equidistribution of Automorphic Forms, Lior Silberman (UBC) // Amicable pairs and aliquot cycles for elliptic curves, Katherine Stange (NSERC/PIMS/SFU) // Torsion points on elliptic curves over quartic number fields, William Stein (University of Washington) // Rational points on curves of higher genus, Michael Stoll (Universitat Bayreuth) // Zeros of Level 2 Eisenstein Series, Stephanie Treneer (Western Washington University) // Abstracts can be found at:  
<http://www.cecm.sfu.ca/~nbruin/pnwntc2010/abstracts.html#coons>

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**Links:**

<http://www.cecm.sfu.ca/~nbruin/pnwntc2010/>

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