

## The Spectrum of $N \times 2$ Resolvable Latin Squares

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**Date :** 22 May 2009 (Friday)  
**Time :** 2.30 pm – 3.30 pm  
**Venue:** SPMS-Executive Classroom 1, MAS-03-06  
School of Physical and Mathematical Sciences

An  $N \times 2$  resolvable Latin squares is a latin square with no  $2 \times 2$  subsquares that also has an orthogonal mate. In this talk, I show that  $N \times 2$  resolvable latin squares exist for all orders  $N$  with  $N \neq 2, 4, 6, 8$ .

This is a joint work with J.H. Dinitz and A. Wolfe.

### Speaker Biography

Dr. Alan C.H. Ling received his degrees at University of Waterloo BMath (1994), MMath (1995) and PhD (1997). Since then, he worked as an analyst in quantitative risk management at Bank of Montreal. He joined Michigan Technological University in 2000 as an assistant professor. He then moved to University of Vermont in 2001 and he is currently an associate professor in the Department of Computer Science.

Dr. Ling has published almost 100 research papers in top quality journals, including but not limited to Bioinformatics, IEEE Tran. on Inform. Theory and Journal of Combinatorial Designs.

Host: Prof. Chee Yeow Meng, Division of Mathematical Sciences, School of Physical and Mathematical Sciences

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