



**The Hong Kong Polytechnic University
Department of Applied Mathematics**

**Seminar
On**

**Transmission Disequilibrium Tests and
Imprinting Effects Tests Based on
Case-parents Trios and Case-parent Pairs**

by

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Abstract

Based on case-parents trios, two statistics POET and TDTI are developed to test for imprinting and linkage/association, respectively. When only one parent is available, the 1-TDTI and 1-POET are proposed accordingly. The asymptotic results of the tests are derived. Simulations are conducted to investigate the validity and other properties of these proposed statistics. The way to combine case-parents trios and case-parent pairs information in testing for imprinting and linkage/association is addressed.

Date : 11 May, 2007 (Friday)
Time : 2:30 – 3:30 p.m.
Venue : Departmental Conference Room HJ610
The Hong Kong Polytechnic University

*** * * ALL ARE WELCOME * * ***