

## Continuity of Function Spaces of Domains

Dr Xi Xiaoyong

Date: 31 Jan 2013

Time: 3.30 – 4.30 pm

Venue: MME Journal Room

### Abstract

Domain theory is a field of [mathematics](#) studying a special type of posets, called domains. This field has major applications in theoretical [computer science](#), where it is used to specify [denotational semantics](#) for the [lambda calculus](#). Function spaces of domains form a major area of domain theory, which have been investigated by Plotkin, Smyth, Jung and others.

In this talk we will show some new results on function spaces of domains, the results are about function spaces from a topology space to a continuous domain. Some new results on dcpo models of  $T_1$  spaces will also be mentioned.

### About the speaker:

Dr Xi Xiaoyong received his PhD from Sichuan University in 2005 and is now working as an Associate Professor at Jiangsu Normal University. His research areas are topology and domain theory.

*All are Welcome!*

For more information, please contact Dr Zhao at [dongsheng.zhao@nie.edu.sg](mailto:dongsheng.zhao@nie.edu.sg).