



DEPARTMENT OF APPLIED MATHEMATICS

應 用 數 學 系

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

**Colloquium**

**On Hyperbolic Moment Models for Boltzmann Equation**

by

**Prof. Ruo Li**

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**Abstract**

In this talk, I will introduce the theory of the moment model reduction of Boltzmann equation we developed in recent years, together with the latest progress. By our exploration, it was found that the hyperbolicity of the reduced moment model can always be achieved, and the method provides us a symmetric hyperbolic system that the local wellposedness of the reduced model is not a problem anymore.

**Date : 22 July, 2016 (Friday)**

**Time : 11a.m. – 12noon**

**Venue : TU801, The Hong Kong Polytechnic University**

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