



YCCSA Seminar Series Autumn 2017

An interdisciplinary seminar series hosted by the York Centre for Complex System Analysis aimed at researchers from all disciplines

Statistical thermodynamics for everyday life

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Ron Cooke Hub, RCH/204 at 13:30

Abstract:

The gulf between the molecular world and ours is the gigantic number of molecules that behave statistically, which obeys the principles of statistical thermodynamics. This means that the molecular basis of our daily lives, such as cooking, washing and clothing, can be explained from such principles. When empirical and engineering wisdom cannot give a clear guideline, laws of physics turns out to be very useful. Here we focus on the molecular basis of formulation, i.e., to control macroscopic properties by adding a little bit of something (salts, sugars, alcohols, acids, bases, polymers....).

The seminar includes a refreshment break

Ron Cooke Hub is on Heslington East Campus – accessible by free bus services

Nos. 66 and 44 running at frequent intervals from Heslington West.

The YCCSA Seminar room is on the second floor