



## PHYSICS AND ASTRONOMY SEMINAR

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## “A Stroll Though Star-Formation, from Low to High”

### Abstract

The paradigm for low-mass (solar-type) star-formation was proposed ~25 years ago and has matured since then through a wealth of observational data at infrared through millimetre wavelengths. However a number of important problems still remain to be answered. These include (i) does the proposed short-lived “first hydrostatic core” phase exist in reality, (ii) do brown-dwarfs (failed stars) form like normal stars, (iii) how do stars form in clustered environments, and (iv) is massive star-formation a scaled up version of low-mass star-formation, or are new physics needed. In this talk I will present results that address all four of these issues and (hopefully) provide some insight into their answers.

Wednesday, June 26, 2013

1:30 p.m.

Elliott Building

Room 060