

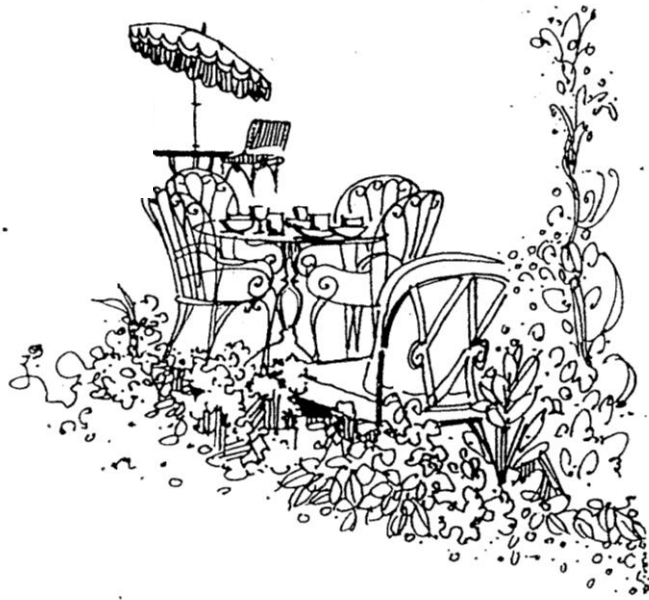
Chez Pierre

Presents ...

Monday, September 13, 2010

12:00pm

MIT Room 4-331



Oleg Sushkov

The University of New South Wales

“Spin Spirals in Underdoped Cuprates: Theory and Experiment”

To shed light on generic physics of cuprate superconductors (doped Mott insulators) I discuss and relate the following issues.

- 1) Incommensurate spin ordering in LSCO and YBCO.
- 2) Difference and similarities between these compounds:
disorder versus bilayer.
- 3) Quantum Critical and Lifshitz points in YBCO and LSCO.
- 4) Magnetic Quantum Oscillations in YBCO.