May 18: Michel Duflo (University of Paris VII), "Associated varieties for representations of Lie superalgebras." FOLLOWED BY DINNER.

This is a joint work with V. Serganova. The theory of finite-dimensional representations of basic classical Lie superalgebras has many similarities with the theory of (infinite-dimensional) Harish-Chandra modules for real semi-simple Lie algebras. We propose new tools to study these representations which play the role of the associated varieties for Harish-Chandra modules.