1017-52-82 **Igor Pak***, Room 2-390, MIT, 77 Mass Ave, Cambridge, MA 02138. *Isometric submersion of polyhedral surfaces.* Preliminary report.

Isometric immersion and embedding of polyhedral surfaces is an exciting subject with a number of long standing open problems. In this talk we present a complete resolution of the isometric submersion problem (submersion of the abstract d-dimensional polyhedral metric surface into $\mathbb{R}^d$). This problem has no analogue in the smooth case, but is of independent interest. This is joint work with Ezra Miller. (Received February 13, 2006)