Let $M$ be a dilation matrix, $\Psi$ be a finite family of $L^2$-functions, and $P$ be an oversampling matrix such that $PMP^{-1}$ has integer entries. In this talk, we discuss the following two problems:

**Problem 1:** Find all oversampling matrices $P$ such that the oversampled affine system $X^P(\Psi, M)$ is a tight frame whenever the affine system $X(\Psi, M)$ generated by $\Psi$ is.

**Problem 2:** Given dilation matrix $M$ and oversampling matrix $P$, find all tight affine frames $X(\Psi, M)$ such that the oversampled affine system $X^P(\Psi, M)$ is a tight frame.

This talk is based on a joint work with C. K. Chui. (Received September 16, 2005)