1044-65-221 **Xiaoping A Shen*** (`shen@math.ohiou.edu`), Athens, OH 45701, **Haibo He** (`hhe@stevens.edu`), Hoboken, NJ 07030, and **Yuan Cao**, Hoboken, NJ 07030. *Density Estimation Using Pseudo Monte Carlo Method With Applications.* Preliminary report.

In this talk, we present algorithms and numerical results on using a new pseudo Monte Carlo integration method in density estimation. Application of the method is illustrated by a density estimation problem raised in adaptive incremental learning for machine intelligence. (Received September 02, 2008)