1062-16-220   **Ibrahim Assem**, Faculte des Sciences, Universite de Sherbrooke, 2500, boulevard de l'Universite, Sherbrooke, Quebec J1K 2R1, Canada, **Ralf Schiffler*** (`schiffler@math.uconn.edu`), Department of Mathematics, 196 Auditorium Road, University of Connecticut, U-3009, Storrs, CT 06269-3009, and **Vasilisa Shramchenko**, Faculte des Sciences, Universite de Sherbrooke, 2500, boulevard de l'Universite, Sherbrooke, Quebec J1K 2R1, Canada. *Cluster automorphisms.*

This talk is on a joint work with Assem and Shramchenko, in which we introduce and study cluster automorphisms of cluster algebras. These are automorphisms of the algebra which preserve the combinatorial cluster algebra structure. We compute the group of cluster automorphisms for Dynkin and Euclidean types using cluster categories and Riemann surfaces with marked points. (Received August 09, 2010)