1096-37-521 **Eugen Andrei Ghenciu*** (ghenciue@uwstout.edu) and **Mario Roy** (mroy@glendon.yorku.ca). *"Bowen Formula in Generalized Iterated Constructions and Applications".* Preliminary report.

There are a lot of connections between symbolic dynamics and dimension theory for generalized iterated constructions. A generalized iterated construction is the most general setting in which one can construct a limit sets extending the ideas from Graph Directed Markov Systems introduced by Mauldin and Urbanski. In this presentation we show that if there are finitely many iterates, the Bowen formula holds; meaning the Hausdorff dimension of the limit set is the zero of the associated topological pressure. Several examples and applications will be shown. Connections to symbolic dynamics and how to compute entropy will also be shown. (Received September 05, 2013)