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**Guantao Chen\*** (gchen@gsu.edu), Department of Mathematics and Statistics, Georgia State University, Atlanta, GA 30303, and **Songling Shan**, Department of Mathematics and Statistics, Georgia State University, Atlanta, GA 30303. *Vizing 2-factor Conjecture with large maximum degrees*. Preliminary report.

In 1968, Vizing conjectured that, if  $G$  is an edge chromatic critical graph with  $\chi'(G) = \Delta(G) + 1$ , then  $G$  contains a 2-factor. In this talk, we will discuss recent progress involving to this conjecture, in particular, the verification of the conjecture for graphs with maximum degree at least  $|G|/2$ . (Received July 27, 2014)