1077-11-2966 **Taiyu Li*** (arith.tyli@gmail.com), School of Mathematics, Shandong University, 27 Shanda Nanlu, Jinan, Shandong 250100. *The quadratic Waring-Goldbach problem and related topics* Preliminary report.

In this short talk, we will give a brief introduction of the history of the additive problems involvingsquares of primes. These include joint work of the presenter with A.V. Kumchev on sums of "almost equal" squares ofprimes as well as recent work of the author on exceptional sets for sums of squares of primes and a kth power ofprime. (Received October 18, 2011)