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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 involving squares of primes. These include joint work of the presenter with A.V. Kumchev on sums of “almost equal” squares of primes as well as recent work of the author on exceptional sets for sums of squares of primes and a k th power of prime. (Received October 18, 2011)