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**Jing-Zhong Zhang** and **Xucheng Peng\*** (ztong@otterbein.edu), Huazhong Normal University, Wuhan, Peoples Rep of China, and **Shangzhi Li** and **Zengxiang Tong**. *A Gem of New Euclidean Geometry*. Preliminary report.

This talk comes from Dr. Zhang's more than two decades of research on Automated Theorem Proving in Geometry and his New Euclidean Geometry. His Euclidean geometry is built around two area related theorems: Co-side Theorem and Co-angle Theorem, which are simple, intuitive, and extremely powerful. You will be surprised to see how these two theorems make the proofs of some famous geometry theorems unbelievably simple. (Received August 04, 2014)