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**Uta Ziegler\*** ([uta.ziegler@wku.edu](mailto:uta.ziegler@wku.edu)), Bowling Green, KY 42101, and **Y Diao, C. Ernst** and **E. Rawdon**. *Geometric Properties of Knotted Random Polygons in Confinement*.

In this talk we study the properties of geometric quantities such as total curvature, total torsion, average crossing number and writhe, of random polygons in confinement. Specifically, while some of results fall in line with what has been observed in the studies of the unconfined random polygons, a few surprising results have emerged from our study, showing some properties that are unique due to the effect of confinement. (Received August 29, 2016)