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**Arindam Banerjee\*** ([banerj19@purdue.edu](mailto:banerj19@purdue.edu)), Department of Mathematics, Purdue University,  
150 N. University Street, West Lafayette, IN 47907. *Graph Connectivity and Binomial Edge  
Ideals.*

In this talk we shall discuss some results proved in a joint work with Luis Nunez Betancourt that shed light on relations between toughness and connectivity properties of finite simple graphs and homological algebra of their binomial edge ideals. (Received January 16, 2017)