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**ED GREEN**, Virginia Tech

*Group gradings and actions on Brauer graph algebras*

I will discuss results of joint work with Sybille Schroll and Nicole Snashall of the University of Leicester, England. I begin by recalling the definitions of Brauer graphs and Brauer graph algebras. Group actions and gradings on Brauer graphs are introduced and it is shown how these are related to group actions and gradings on Brauer graph algebras. Some applications are mentioned.