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**Keivan Mallahi-Karai\***, Campus Ring I, 28759 Bremen, Germany, and **Hadi Salmasian**,  
**Mohammad Bardestani** and **Camelia Karimianpour**. *Minimal Faithful Representation of  
Chevalley Groups over finite rings.*

For a finite group  $G$ , denote by  $m_f(G)$  the least possible dimension of a faithful linear representation of  $G$  over the field of complex numbers. Let  $G_n = \mathbf{G}(\mathbb{Z}/p^n\mathbb{Z})$  stand for the group of  $\mathbb{Z}/p^n\mathbb{Z}$ -points of the adjoint Chevalley group  $\mathbf{G}$ . In this talk, we will discuss recent developments on obtaining lower bounds for  $m_f(G)$ . These bounds, which are asymptotically the same as the results of Landazuri, Seitz and Zalesskii in the case of split Chevalley groups over finite fields, can potentially have applications in arithmetic combinatorics of non-abelian groups. This is a joint work with Mohammad Bardestani, Camelia Karimianpour, and Hadi Salmasian. (Received March 16, 2017)