



Neamul H. Khansur and coauthors Tadej Rojac, Dragon Damjanovic, Christina Reinhard, Kyle G. Webber, Justin A. Kimpton, and John E. Daniels received the 2016 Edward C. Henry Award for their publication in the *Journal of the American Ceramic Society*, "**Electric-Field-Induced Domain Switching and Domain Texture Relaxations in Bulk Bismuth Ferrite.**" Khansur authored the paper while a Ph.D. student in Professor John Daniels' group at UNSW, after which he was a postdoctoral researcher at the University of Erlangen-Nuremberg.

Bismuth ferrite, BiFeO₃, is an important multiferroic with potential applications in many proposed functional devices. While thin films of BiFeO₃ are attractive for applications in nanoelectronics, bulk polycrystalline BiFeO₃ has great potential as a lead-free and/or high-temperature electro-mechanical transducer material. However, the structural mechanisms of the response in bulk BiFeO₃ are still to be resolved. Here we report the microscopic origin of electric-field-induced strain in bulk BiFeO₃ ceramic up to 14 kV/mm applied electric field by means of *in situ* high-energy X-ray diffraction. Detailed analysis of the diffraction data highlights that, in spite of the strain/applied field ratio similarities in bulk and thin film BiFeO₃, the origin of strain response in film and bulk of BiFeO₃ is different.