

**Jobie Gerken** - Jobie M. Gerken completed his BS in mechanical engineering at South Dakota School of Mines & Technology in 1996. From there he completed his MS in mechanical engineering at Colorado State University while employed as a Graduate Research Assistant at Los Alamos National Laboratory in 1999. Since that time he has continued work at LANL as a Technical Staff Member. Until 2003 his primary activity had been to continue his MS thesis research, which involved simulating dynamic fracture in solids using the finite element method. He has also has been involved in the development/implementation of constitutive models for finite element codes and the development of full scale simulations to investigate the mechanical response of nuclear weapon systems. Since 2003 he has been working toward earning a PhD in Mechanical Engineering through Cornell University, working under Dr. Paul Dawson in polycrystal plasticity constitutive modeling.



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