

Daniel B. Sinars (member, IEEE) received a B.S. degree in engineering physics from the University of Oklahoma, Norman, in 1996 and his Ph.D degree in applied physics from Cornell University, Ithaca, NY, in 2001.

His dissertation topic was "Time-resolved measurements of plasma conditions in X-pinch plasmas using x-ray spectroscopy and radiography".

He is currently a senior member of the technical staff at Sandia National Laboratories, Albuquerque, NM, where he has worked since 2001.

He has coauthored over 35 papers in refereed scientific journals. His research interests at Cornell included the study of exploding wires and X pinches. His present research includes dense Z-pinch physics experiments on the 20-MA Sandia Z pulsed power facility and he has built a number of crystal-based imaging and spectroscopy diagnostics, including a monochromatic x-ray backlighting system that is now the primary backlighting diagnostic for the facility.