

Bronson Messer



Bio:

Dr. Bronson Messer is a computational astrophysicist in the Scientific Computing Group at the National Center for Computational Sciences. His primary research interests are in exploding stars — supernovae, both the core-collapse type and the thermonuclear type. He was educated at the University of Tennessee, receiving his Ph.D. in 2000. After a stint as a postdoctoral research associate with the Terascale Supernova Initiative at Oak Ridge National Laboratory (ORNL), he moved to the ASC Center for Astrophysical Thermonuclear Flashes in the Department of Astronomy & Astrophysics at the University of Chicago as a research associate and deputy head of the Center's Astrophysics Group. He returned to ORNL as a staff member at the NCCS in May 2005. He is currently the Principal Investigator for an NSF PetaApps project dedicated to producing the world's first three-dimensional core-collapse supernova simulations incorporating sophisticated neutrino transport and nuclear burning.