



Dr. Craig Kletzing

Dr. Craig Kletzing holds the Donald A. and Marie B. Gurnett chair in physics and astronomy at the University of Iowa. Dr. Kletzing's research interests lie in the area of experimental space plasma physics, particularly particle acceleration and loss processes in the auroral zone and radiation belts. He also conducts laboratory plasma experiments to verify theoretical models in a controlled setting, has worked on particle transport problems in the magnetosphere and worked on the effects of lightning on the lower ionosphere. He is Principal Investigator for the Electric and Magnetic Field Instrument Suite with Integrated Science (EMFISIS) on NASA's Radiation Belt Storm Probes satellite mission, Co-Investigator on NASA's Magnetospheric MultiScale satellite mission, and Co-Investigator on the Wide-Band Data experiment on the ESA/NASA Cluster mission. Dr. Kletzing was a Co-Investigator (US PI) for the Electron Beam Experiment on the German-Swedish Freja satellite for which he built part of the instrumentation. He has been Principal and Co-Investigator on several sounding rockets and is also the Principal Investigator of a laboratory plasma experiment collaboration with UCLA to test auroral electron acceleration with Alfvén waves. Dr. Kletzing has served on the National Research Council's Committee on Space and Solar Physics which provides advice to federal agencies on US space science issues (2000-2004), NASA's Sounding Rocket Working Group, the Geospace Electrodynamics Connections STD, and NASA's 2005 SSSC Roadmap Committee. He has authored or co-authored more than 200 peer-reviewed publications.