

20th IAA SYMPOSIUM ON SPACE DEBRIS (A6)  
Impact-Induced Mission Effects and Risk Assessments (3)

Author: Mr. Donald Kessler  
United States, djk1940@charter.net

JOSEPH P. LOFTUS JR. KEYNOTE LECTURE: A SHORT HISTORY OF THE ORBITAL DEBRIS  
PROGRAM AND CURRENT ISSUES ASSOCIATED WITH THE PROGRAM THAT IS 43 YEARS  
OLD

**Abstract**

KEYNOTE (Biltingham Cutting Edge Lecture): A Sign in Space: an interdisciplinary exploration of  
the potential reception of an extraterrestrial signal