## **REPORT DOCUMENTATION PAGE**

Form Approved OMB No. 0704-0188

Public reporting burden for this collection of info gathering and maintaining the data needed, an collection of information, including suggestions Davis Highway, Suite 1204, Arlington, VA 2220	ormation is estimated to average 1 hour per resp d completing and reviewing the collection of infor for reducing this burden, to Washington Headqu 2-4302, and to the Office of Management and Bu	onse, including the time for revie mation. Send comments regard arters Services, Directorate for In diget, Paperwork Reduction Proj	wing instructions, searching existing data source ing this burden estimate or any other aspect of nformation Operation and Reports, 1215 Jeffers ect (0704-0188), Washington, DC 20503	xes, this son	
1. AGENCY USE ONLY (Leave Blank)	2. REPORT DATE	3. REPORT TYPE A	AND DATES COVERED		
	March 2004	Confe	erence Publication		
4. TITLE AND SUBTITLE			5. FUNDING NUMBERS		
8 <sup>th</sup> Spacecraft Charging T	echnology Conference				
6. AUTHORS					
J.L. Minor, Compiler					
7. PERFORMING ORGANIZATION NAMES(S) AND ADDRESS(ES)			8. PERFORMING ORGANIZATION	_	
NASA Space Environments and Effects (SEE) Program			REPORT NUMBER		
George C. Marshall Space Flight Center			M-1102		
Marshall Space Flight Center, AL 35812					
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSORING/MONITORING AGENCY REPORT NUMBER		
NASA Space Environments and Effects (SEE) Program			NASA/CD 2004 2120	01	
George C. Marshall Space Flight Center			NASA/CP-2004-2130	91	
Marshall Space Flight Cer	nter, AL 35812				
11. SUPPLEMENTARY NOTES					
Prepared by NASA's Space Environments and Effects (SEE) Program					
Technical Monitor: Jody Mi	nor, NASA Marshall Space F	light Center, 256-54	4-4041		
12a. DISTRIBUTION/AVAILABILITY ST	ATEMENT		12b. DISTRIBUTION CODE		
Unclassified-Unlimited					
Subject Category 18					
Availability: NASA CASI (301) 621–0390					
13. ABSTRACT (Maximum 200 words)				—	
The 8 <sup>th</sup> Spacecraft Cha	arging Technology Conf	erence was held	l in Huntsville, Alabar	na,	
October 20-24, 2003. Hosted by NASA's Space Environments and Effects (SEE) Program and					
co-sponsored by the Air Force Research Laboratory (AFRL) and the European Space Agency					
(ESA), the 2003 conference saw attendance from eleven countries with over 65 oral papers and					
18 poster papers in the areas of Plasma Propulsion and Tethers, Ground Testing Techniques,					
Interactions of Spacecraft and Systems With the Natural and Induced Plasma Environment,					
Materials Characterizations, Models and Computer Simulation, Environment Specifications,					
Current Collection and Plasma Probes in Space Plasmas, and On-Orbit Investigations.					
A round-table discussion of international standards regarding electrostatic discharge (ESD) testing					
was also held with the promise of continued discussions in the off years and an official					
continuation at the next co	onference.		5		
			15. NUMBER OF PAGES		
spacecraft, charging, plasma, electro-static, discharge, voltage, charge,			1158		
differential, material, simulation, test, tether, induced, interactions, environm			ent, 16. PRICE CODE	—	
current, LEO, GEO					
17. SECURITY CLASSIFICATION	18. SECURITY CLASSIFICATION	19. SECURITY CLASSIFIC	ATION 20. LIMITATION OF ABSTR	АСТ	
Unclassified	Unclassified	Unclassified	1 Unlimited		