

The 6th International Forum on Big Data for Sustainable Development Goals (FBAS 2026)

Session Proposal Template

<i>Session Title</i>	Research Frontiers and Open Issues in Aerospace Information	
<i>Session Chair(s)</i>	<i>Name</i>	WU Yirong
	<i>Affiliation</i>	Aerospace Information Research Institute, CAS
	<i>Profile</i> (200-word limit)	Wu Yirong, Academic President of the Aerospace Information Research Institute, Chinese Academy of Sciences (CAS); Dean of the School of Electronic, Electrical and Communication Engineering, University of Chinese Academy of Sciences; Vice Chairman of the 16th Standing Committee of the CAS Division of Information Technical Sciences; and Convener of the Information and Communication Engineering Discipline, Academic Degrees Committee of the State Council. Elected as Academician of the Chinese Academy of Sciences in 2007. He has long been engaged in the research and development of microwave imaging technology and large-scale remote sensing ground processing systems. Over the past decade, he has been dedicated to promoting the construction and development of the National Airborne Remote Sensing System. He serves as Editor-in-Chief of multiple journals, including <i>Microsystems & Nanoengineering</i>, and led the organization of the selection of the Top Ten Frontier Scientific Challenges in Aerospace Information.
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<i>Preferred Topics</i>	1.Satellite Navigation and Next-Generation PNT Systems 2.Remote Sensing Science and Aerospace Intelligent	

	Perception 3. Micro/Nano Sensing and Aerospace MEMS
<i>Session Description</i> <i>(200-word limit)</i>	Focusing on the Top Ten Frontier Scientific Challenges in Aerospace Information jointly released by the Aerospace Information Research Institute (AIR) and the American Association for the Advancement of Science (AAAS), this session will bring together renowned scholars and experts from China and abroad in the key fields of satellite navigation, remote sensing, and micro/nano technology. Through authoritative interpretation and in-depth discussion, the session will systematically elucidate the scientific connotations and technical pathways of these frontier challenges, expand international academic influence, guide global research forces in collaborative tackling of major challenges, and accelerate original innovation and technology translation in the aerospace information domain.
<i>Expected outcomes</i> <i>(50-word limit)</i>	1. Aerospace Information Top Ten Challenges Brochure (A Joint Release by AIR, CAS & AAAS) 2. Seven Academic Reports (Focusing on the Frontiers of Aerospace Information: Satellite Navigation · Remote Sensing · Micro/Nano)

Please submit filled session proposal to fbas@cbas.ac.cn before **April 20, 2026**