

Poster Session (P)

Poster Lunch (1)

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## THE CONSTRUCTION PLANNING FOR SPACE STATION OF FLIGHT CONTROL CENTER COMPUTER SYSTEM

### **Abstract**

Abstract: China's Manned Space Station is the third step of China's Manned Space Engineering Program. In order to support the over 20-year mission, the flight control center computer system should operation reliable and stable for long time and support online maintenance update expansion. On the basis of summing up the construction experience of 921 program first second steps flight control center computer system and operation situation in all previous 921 missions , following the mission characteristics of the Space Station and the advanced computer network technologies, the paper prospects the design ideas of the Space Station flight control center computer system, puts forward the integrated construction methods: the civil-military integration throughout the system life cycle; the tendency of localization all-round and independency controllable technology for key devices; iteration construction of the redundant system; "two-place and three-center" system architecture. Relevant key technologies are also researched. The proposals provide an important reference for the follow-up construction of Space Station flight control center computer system.