The Convergence of the telematic, computing and information services as a basis for using artificial intelligence to manage complex techno-organizational systems

Using artificial intelligence helps manage the complex techno-organizational system in the aerospace industry. It has more opportunities to collect, process, keep and distribute information. However, there is a possibility that it maybe increase the risk of distinguishing the organizational strategy of controlled space objects. To ensure the safety and effective use of complex techno-organizational systems in the aerospace industry in the process of self-organizing integration, a method of intellectual analysis of the fractal organization of key element relationships is proposed, using a multidimensional interpretation of the linkage systematics and operational-regime control transactions.

Automated monitoring and control is performed to determine the basic characteristics of the system-dynamic analysis of the electronic content of control transactions while maintaining the regimes of self-organizing integration of a swarm of controlled space objects, testing -the time, resource or operational-mode matrix of any studied self-organizing integration process energy from various points of geostationary orbits of space solar power stations on the ground. The quasi-unified system of space object management has some principal differences from the traditional one and that makes it substantially new one.