

Recent Advances in Satellite Aeronautical Communications Modeling

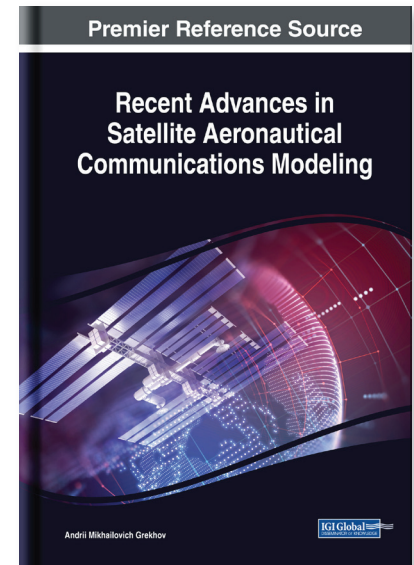
Part of the Advances in Wireless Technologies and Telecommunication Book Series

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Description:

Modern systems and means of aeronautical radio communication are continuously being improved, but without the development of new technical means, the aviation industry suffers. The development of more innovative plans of aviation technology are needed in order to respond to the ever-increasing standard of aviation technology.

Recent Advances in Satellite Aeronautical Communications Modeling is devoted to the modeling of satellite communication channels for aircraft and RPAS/UAV using the Matlab Simulink and NetCracker software. Featuring research on topics such as channel coding, microwave emitters, and array modeling, this book is ideally designed for scientists, engineers, air traffic controllers, managers, researchers, and academicians.



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Topics Covered:

- Air Traffic Monitoring
- Antenna Magus Software
- Array Modeling
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- Convolutional Encoding
- Doppler Frequency Shift
- Microwave Emitters
- RPAS Data Transmission
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