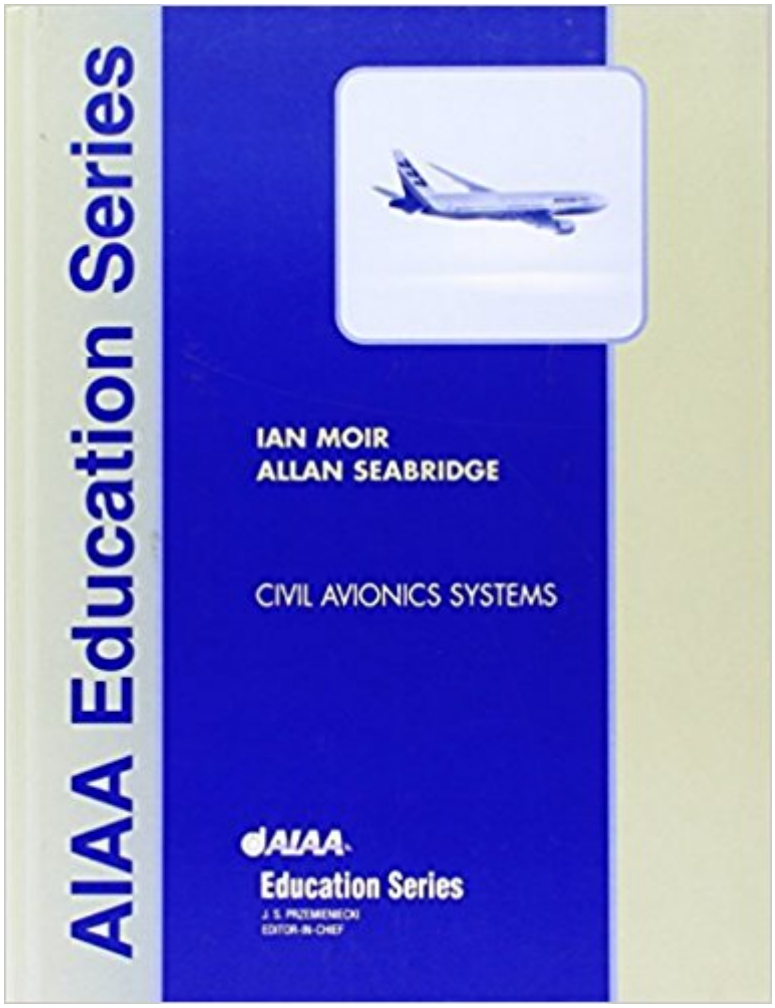
Civil Avionics Systems (AIAA Education Series)



Synopsis

Introduction to an industry that has to deal with issues that are complex and sophisticated, market and technology driven, safety conscious, high integrity, and environmentally influenced. The industry is driven by market factors and trends in public mobility, global business travel, and domestic leisure needs. World finances, terrorist activity, political envision, or public loss of confidence due to a perception of poor safety each effect business. The text covers all aspects of civil avionics systems including the technology, systems development, electronics, sensors, communication and guidance aids, displays, control,s and systems integration. It discusses future air navigation systems and military applications.

Book Information

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Customer Reviews

Civil Avionics Systems is an in-depth study and explanation of avionics as applied to civil aircraft. Avionics covers analogue and digital electronics, sensors, signalling, and computers that transmit to and control the operations of the aircraft. Avionics includes the technology, systems development, electrical systems, sensors, communication, navigation, flight control, displays, engine and utilities control, and is also the integration of all these elements. Ian Moir and Allan Seabridge are both highly experienced in the aircraft industry and are also involved in devising and delivering training courses. Their direct and accessible style, along with the input of an international team of technical advisors, ensures that Civil Avionics Systems is an authoritative reference text.Â Provides a

uniquely comprehensive source of information Illustrated throughout with line drawings and photographs, some in full colour Explains and explores the latest developments in avionics technology, including FANS â " Future Air Navigation Systems Includes a chapter on displays written by Malcolm Jukes, an internationally respected expert. Engineers in the airline industry, designers, manufacturers, operators, maintenance engineers, electronic component suppliers, engine manufacturers, air traffic controllers, navigation engineers, aircraft inspectors, accident investigators, and those studying become part of the aerospace industry will all find Civil Avionics SystemsÂ invaluable. --This text refers to an out of print or unavailable edition of this title.

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