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Nota di contenuto	1 Introduction -- 1.1 The origins of surveying -- 1.2 Development of global surveying techniques -- 1.3 History of the Global Positioning System -- 2 Overview of GPS -- 2.1 Basic concept -- 2.2 Space segment -- 2.3 Control segment -- 2.4 User segment -- 3 Reference systems -- 3.1 Introduction -- 3.2 Coordinate systems -- 3.3 Time systems -- 4 Satellite orbits -- 4.1 Introduction -- 4.2 Orbit description -- 4.3 Orbit determination -- 4.4 Orbit dissemination -- 5 Satellite signal -- 5.1 Signal structure -- 5.2 Signal processing -- 6 Observables -- 6.1 Data acquisition -- 6.2 Data combinations -- 6.3 Atmospheric effects -- 6.4 Relativistic effects -- 6.5 Antenna phase center offset and variation -- 6.6 Multipath -- 7 Surveying with GPS -- 7.1 Introduction -- 7.2 Planning a GPS survey -- 7.3 Surveying procedure -- 7.4 In situ data processing -- 7.5 Survey report -- 8 Mathematical models for positioning -- 8.1 Point positioning -- 8.2 Differential positioning -- 8.3 Relative positioning -- 9 Data processing -- 9.1 Data preprocessing -- 9.2 Ambiguity resolution -- 9.3 Adjustment, filtering, and smoothing -- 9.4 Adjustment of

mathematical GPS models -- 9.5 Network adjustment -- 9.6 Dilution of Precision -- 9.7 Accuracy measures -- 10 Transformation of GPS results -- 10.1 Introduction -- 10.2 Coordinate transformations -- 10.3 Datum transformations -- 10.4 Combining GPS and terrestrial data -- 11 Software modules -- 11.1 Introduction -- 11.2 Planning -- 11.3 Data transfer -- 11.4 Data processing -- 11.5 Quality control -- 11.6 Network computations -- 11.7 Data base management -- 11.8 Utilities -- 11.9 Flexibility -- 12 Applications of GPS -- 12.1 General uses of GPS -- 12.2 Attitude determination -- 12.3 Airborne GPS for photo-control -- 12.4 Interoperability of GPS -- 12.5 Installation of control networks -- 13 Future of GPS -- 13.1 New application aspects -- 13.2 Improved constellation -- 13.3 Hardware improvements -- 13.4 Software improvements -- 13.5 Conclusion -- References.

Sommario/riassunto

This book is dedicated to Dr. Benjamin William Remondi for many reasons. The project of writing a Global Positioning System (GPS) book was conceived in April 1988 at a GPS meeting in Darmstadt, Germany. Dr. Remondi discussed with me the need for an additional GPS textbook and suggested a possible joint effort. In 1989, I was willing to commit myself to such a project. Unfortunately, the timing was less than ideal for Dr. Remondi. Therefore, I decided to start the project with other coauthors. Dr. Remondi agreed and indicated his willingness to be a reviewer. I selected Dr. Herbert Lichtenegger, my colleague from the Technical University Graz, Austria, and Dr. James Collins from Rockville, Maryland, U.S.A. In my opinion, the knowledge of the three authors should cover the wide spectrum of GPS. Dr. Lichtenegger is a geodesist with broad experience in both theory and practice. He has specialized his research to geodetic astronomy including orbital theory and geodynamical phenomena. Since 1986, Dr. Lichtenegger's main interest is dedicated to GPS. Dr. Collins retired from the U.S. National Geodetic Survey in 1980, where he was the Deputy Director. For the past ten years, he has been deeply involved in using GPS technology with an emphasis on surveying. Dr. Collins was the founder and president of Geo/Hydro Inc. My own background is theoretically oriented. My first chief, Prof. Dr. Peter Meissl, was an excellent theoretician; and my former chief, Prof. Dr. mult. Helmut Moritz, fortunately, still is.
