1. Record Nr. UNINA9910760292603321 Autore Yang Changfeng Titolo China Satellite Navigation Conference (CSNC 2024) Proceedings: Volume I / / edited by Changfeng Yang, Jun Xie Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 981-9969-28-X [1st ed. 2024.] Edizione Descrizione fisica 1 online resource (569 pages) Collana Lecture Notes in Electrical Engineering, , 1876-1119; ; 1092 Altri autori (Persone) XieJun Disciplina 621.382 Soggetti Telecommunication Signal processing Aerospace engineering Astronautics Control engineering Robotics Automation Geographic information systems Communications Engineering, Networks Signal, Speech and Image Processing Aerospace Technology and Astronautics Control, Robotics, Automation Geographical Information System Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Intro -- Editorial Board -- Preface -- Contents -- GNSS Applications --Nota di contenuto UAV Dam Crack Detection System Based on Beidou and LIDAR -- 1 Introduction -- 2 Current Status of Research -- 3 System Introduction -- 4 System Implementation -- 4.1 Data Acquisition -- 4.2 Data Management -- 4.3 Data Processing -- 4.4 Control Center -- 5 Crack Detection Simulation Experiment -- 6 Innovation and Application Prospects -- 6.1 Innovation Points -- 6.2 Application Prospects -- 6.3 Uncertainties and Shortcomings -- References -- Beidou+5G-Based

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Sommario/riassunto

This book presents selected research papers from China Satellite Navigation Conference (CSNC) 2024, held in Jinan, China, on 22–24 May 2024. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS) and in particular the latest advances in the China BeiDou System (BDS). They are divided into 8 topics to match the corresponding sessions at CSNC 2024, which broadly covered key topics in GNSS. Readers learn about the BDS and keep abreast of the latest advances in GNSS technologies and applications.