

1. Record Nr.	UNINA9910461296103321
Titolo	CORS and OPUS for engineers [[electronic resource]] : tools for surveying and mapping applications / / sponsored by the Geomatics Division of the American Society of Civil Engineers, The National Geodetic Survey ; edited by Tomas Soler
Pubbl/distr/stampa	Reston, Va., : American Society of Civil Engineers, c2011
ISBN	0-7844-7621-7
Descrizione fisica	1 online resource (193 p.)
Altri autori (Persone)	SolerTomas
Disciplina	526.982
Soggetti	Surveying - Computer programs Global Positioning System Geomatics - United States Geographic information systems - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Cover""; ""Contents""; ""Foreword""; ""Introduction""; ""1 Continuously Operating Reference Station (CORS): History, Applications, and Future Enhancements""; ""2 Criteria for Establishing and Operating a Continuously Operating Reference Station (CORS)""; ""3 The a€œOnline Positioning User Servicea€? Suite (OPUS-S, OPUS-RS, OPUS-DB)""; ""4 A Synopsis of the IGS Orbits Used in OPUS""; ""5 Accuracy of OPUS Solutions for 1-to 4-h Observing Sessions""; ""6 Statistics of Range of a Set of Normally Distributed Numbers""; ""7 Basic TEQC Instructions for OPUS Users""; ""8 OPUS-S Extended Data"" ""9 Editing RINEX Files to Fix a Poor OPUS Run""""10 Heuristic Weighting and Data Conditioning in the National Geodetic Survey Rapid Static GPS Software""; ""11 Accuracy Assessment of the National Geodetic Surveya €?s OPUS-RS Utility""; ""12 Accuracy of Rapid Static Online Positioning User Service (OPUS-RS) Revisited""; ""13 Understanding Error Messages Generated by the Rapid Static Online Positioning User Service (OPUS-RS)""; ""14 Editing RINEX Observation Files for OPUS-RS""; ""15 GPS Vectors, OPUS-S and OPUS-RS Observations in a Unified Adjustment""

""16 Constraining Network Adjustments to OPUS-RS Coordinate
Observations""""17 Efficiency and Reliability of Ambiguity Resolution in
Network-Based Real-Time Kinematic GPS""; ""18 Network Calibration
for Unfavorable Reference-Rover Geometry in Network-Based RTK:
Ohio CORS Case Study""; ""19 Transforming Positions and Velocities
between the International Terrestrial Reference Frame of 2000 and
North American Datum of 1983""; ""20 Horizontal Time-Dependent
Positioning Software: Usera€?s Guide""; ""21 Best Methods for High
Accuracy Real Time GNSS Positioning from a Single Reference Station""
""22 Transforming OPUS Results to WGS84""""Index""; ""A""; ""C""; ""E"";
""G""; ""H""; ""I""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""W""
