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CURRICULUM VITAE

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PRESENT POSITION

since 2018:	**Associate Professor** (permanent position) at Politecnico di Milano - Department of Civil and Environmental Engineering (DICA).

EDUCATION AND PREVIOUS POSITIONS

2011-2018:	**Assistant Professor** (permanent position) at Politecnico di Milano - Department of Civil and Environmental Engineering (DICA).
2009-2011:	**Researcher** (temporary position, 3rd level) at National Institute of Oceanography and Applied Geophysics (OGS), Geophysics of Lithosphere Department. He performed the research activity at Politecnico di Milano, Como Campus.
2004-2008:	**Research grant** on "Earth gravitational field determination from satellite missions" funded by National Institute of Oceanography and Applied Geophysics (OGS), Geophysics of Lithosphere Department. He performed the research activity at Politecnico di Milano, Como Campus.
2004:	**Ph.D. Degree in Geodesy and Geomatics** at Politecnico di Milano, with honours. Dissertation on "GOCE: the space-wise approach to gravity field determination by satellite gradiometry" (tutor Prof. F. Sansò, co-tutor Prof. F. Migliaccio).
2000:	**Professional Qualification** as an electronic engineer, with full marks (100/100).
1999:	**Master Degree in Computer Engineering** at Politecnico di Milano, with honours. Dissertation on "Bayesian classification of remote sensing images" (tutor Prof. F. Sansò, co-tutor Prof. P.A. Brivio).
1993:	**High school diploma in Informatics** at the Industrial Technical Institute ITIS Magistri Cumacini (Como, Italy), with full marks (60/60).

MAIN RESEARCH FIELDS

	His research activity mainly concerns statistical and numerical data analysis with applications to the following fields of Geodesy and Geomatics.
Satellite geodesy	Gravity field determination from **satellite gradiometry** and in particular from the ESA (European Space Agency) **GOCE** (Gravity field and Ocean Circulation Explorer) satellite mission. Study and implementation of the **space-wise approach** to the GOCE data analysis in the framework of the High-level Processing Facility (HPF). The method is a multi-step collocation procedure, also requiring the development of computationally efficient software to process the large amount of GOCE data. Studies on future gravity missions based on **laser doppler interferometry** and **cold atom interferometry**, applied to the Earth and Moon gravity field determination.

Physical geodesy	**Global and local geoid** determination by combining satellite and terrestrial data with different methods, e.g. based on least-squares collocation or general kriging, with particular attention to the signal and error stochastic modelling. **Height datum unification** at both global and local level, by exploiting satellite-only gravity models in combination with GNSS/levelling data or local geoid models.
Geophysic and ocenographic applications	**Inverse gravimetric problems** using data from gravity satellite missions. Applications to **Moho determination** both at global level (GEMMA crustal model) and at local level (e.g. in the Himalayan region). Study of a **Bayesian approach** for the solution of inverse gravimetric problems at basin scale by means of Monte Carlo Markov Chain methods. Applications to **oil exploration** and to the crustal modelling beneath **geoneutrino detectors** in order to infer the Earth radiogenic heat power. Studies for the modelling of **megathrust earthquakes**, e.g. the 2004 Sumatra-Andaman event, by using satellite gravity data. Studies on **geostrophic currents** at global and local (in the Mediterranean Sea) level by using GOCE data.
GNSS / GPS	Detection and correction of **cycle-slips** in GPS time series using a Bayesian approach. Generalization to three-frequency systems, like the modernized GPS and GALILEO. Development of the **goGPS software**, a free and open source software for GNSS positioning and navigation, based on Kalman filtering and mainly working with low-cost GNSS receivers. Applications of goGPS to the **geodetic monitoring** of structures and infrastructures by low-cost receivers; applications of goGPS to the kinematic positioning of a georadar for the mapping of **underground services** and to the kinematic positioning of an autogyro for the mapping of the **environmental radioactivity**; applications of goGPS to **archaeoastronomy** studies.
Photogrammetry	**Outdoor navigation** in urban areas by integration of satellite positioning and photogrammetric sensors. Study, implementation and experimental tests of a Kalman filter to process and merge data from low-cost GNSS receivers and low-cost RGB-D cameras, like the **Microsoft Kinect** device.
Remote sensing	**Clustering of multi-spectral images** by using the Bayesian approach and the Data Augmentation algorithm. Applications to water quality mapping in the case of the Garda Lake. Clustering improvement by Markov Random Field image modelling**.**
Numerical cartography / GIS	**Digital Terrain Model** (DTM) reconstruction from laser-scanning observations. Development of a software for DTM **spline interpolation** based on least-squares adjustment with Tykhonov regularization. Development of **Web Processing Services** (WPS) for GNSS positioning using goGPS and for the GEMMA crustal model exploitation.

MEMBERSHIPS AND SCIENTIFIC ASSIGNMENTS

since 2001:	Member of the **International Association of Geodesy** (IAG).
since 2013:	Associate Member of the **National Institute for Nuclear Physics** (INFN) at Legnaro National Laboratories (LNL), in the framework of the ITALRAD project for the realization of an environmental radioactivity map of the Italian territory by means of gamma spectroscopy.
since 2014:	President of the **International Service for the Geoid** (ISG, ex IGeS), an official IAG service for the collection, distribution and computation of local and regional geoids.

since 2016:	Member of the **Advisory Board of the International Gravity Field Service** (IGFS), an official IAG service coordinating the activities of all gravity field-related services.
2016:	Member of the **Scientific Committee of the ESA Living Planet Symposium**, held in Prague, Czech Republic, 9-13 May 2016.
2016:	Member of the **Scientific Committee of the IAG International Symposium "Gravity, Geoid and Height Systems"**, 1st Joint Commission 2 and IGFS Meeting, held in Thessaloniki, Greece, 19-23 September 2016.
2016-2019:	Chair of the **JWG 2.2.1 Joint Working Group** of the IAG Commission 2 on Gravity Field on "Integration and validation of local geoid estimates".
2016-2019:	Member of the **IC-SG 7 Study Group** of the Inter-Commission Committee on Theory (ICCT) on "Earth's inner structure from combined geophysical sources".
2019:	Member of the **Scientific Committee of the ESA Living Planet Symposium**, to be held in Milan, Italy, 13-17 May 2019.

SCIENTIFIC AWARDS

2015:	**IAG fellow**.

ACADEMIC ASSIGNMENTS

since 2013:	Scientific Responsible of the **Laboratory of Geodetic and Photogrammetric Measurements** of the Geodesy and Geomatics division of the Department of Civil and Environmental Engineering, Politecnico di Milano. Contextually, he is member of the **Scientific Board of the Department Laboratories**.
2013-2017:	Member of the **Committee for the Admission to the Master of Science Degree** in Environmental Engineering, Politecnico di Milano.
2015:	Member of the **Evaluation Committee for the final examination of the Doctorate in Environmental and Infrastructure Engineering**, Department of Civil and Environmental Engineering, Politecnico di Milano.
2016:	Member of the **Evaluation Committee for the final examination of the Doctorate in Physics**, Department of Physics and Earth Sciences, University of Ferrara.

TECHNOLOGY TRANSFER

since 2012:	Founder, shareholder (with a share of 12% of the corporation stock) and member of the board of directors of the company **G-ReD srl** (Geomatics - Research & Development), spin-off of the Politecnico di Milano. Currently, the company activity is focussing on supporting oil exploration by gravity inversion, monitoring structure deformations by low-cost GNSS receivers and analysing Earth's troposphere by GNSS data.

RESPONSIBILITY OF FUNDED RESEARCH PROJECTS

2012-2014:	Principal investigator for the project **"MUS**: **Mappatura Urbana dei Sottoservizi"** - translation in English: "MUS: Mapping of Urban underground Services", in cooperation with Dr. M. Lualdi. The project was funded by Politecnico di Milano, Italy, in the framework of "Progetti di Ricerca 5 per mille junior 2011", from January 2012 to April 2014 (28 months).

2012-2013:	Coordinator of the Politecnico di Milano research unit for the project "**Modellazione 3D dei parametri di velocità e densità crostali nella Pianura Padana con il contributo dei dati di gravità da satellite GOCE**" - translation in English: "3D modelling of velocity and crustal density parameters in the Po Plain with the contribution of the GOCE satellite gravity data". This activity was performed in the framework the INGV-DPC-2012 S2 project "Miglioramento delle conoscenze per la definizione del potenziale sismogenetico" - translation in English: "Improvement of the knowledge for the definition of the sismo-genetic potential", principal investigator Dr. A. Argnani, CNR-Bologna, Italy). The project funded by the Civil Protection Department (DPC), from July 2012 to June 2013 (12 months).
2013-2015:	Scientific supervisor of the project **"MEGG-C: MEditerranean GOCE Geoid and geostrophic Circulation"** (ESA/ESRIN contract 4000107584/13/I-BG, principal investigator Dr. M. Gilardoni, Politecnico di Milano, Italy). The project was funded by ESA (European Space Agency) in the framework of the STSE programme (Support to Science Element), from August 2013 to July 2015 (24 months).
2014-2016:	Scientific supervisor of the Politecnico di Milano research unit for the project "**eCRUST**", with activities called "Very Improved KINematic Gravimetry (Viking)", "Innovative Tools for Gravity data processing" and "Bayesian Inversion - Proof of Concept". These activities were performed in the framework of the contract between ENI SpA and Politecnico di Milano (ENI contract No. 2500008934, coordinator Prof. L. Formaggia, Politecnico di Milano, Italy). The project was funded by ENI SpA, from April 2014 to March 2016 (24 months).

PARTICIPATION TO FUNDED RESEARCH PROJECTS

since 2001:	He has been involved as a researcher in different projects, founded by Politecnico di Milano, the European Space Agency (ESA), the Italian Space Agency (ASI), Thales Alenia Space Italia, ENI SpA, the European Community, the Italian Ministry of Economic Development, the Italian Ministry of Education and University Research (MIUR), the Spanish Ministry of Education and Science, the Netherlands Organization for Scientific Research.

PARTICIPATION TO CONFERENCES AND SCHOOLS

since 2000:	He has continuously attended international and national conferences. At the international level, the most frequent ones are IUGG General Assemblies, IAG Scientific Assemblies, IAG Commission 2 and IGFS Symposia, Hotine-Marussi Symposia, EGS/EGU General Assemblies, AGU Meetings, ESA GOCE User Workshops, ESA Living Planet Symposia, ISPRS Conferences. At the national level, the most frequent ones are ASITA and GNGTS conferences, the former mainly dedicated to Geomatics themes, the latter to Solid Earth geophysics. Overall, he has been co-author of 65 oral presentations, 22 of them as speaker (14 in international conferences and 8 in national ones). He has been co-author of 61 posters (57 in international conferences and 4 in national ones).

PARTICIPATION TO EDITORIAL BOARDS

2015:	He was **guest editor**, together with Dr. J. Huang and Dr. T. Gruber, of the Issue No. 5 of the Newton's Bulletin, entitled "Assessment of GOCE Geopotential Models", published by BGI and ISG in June 2015.

REVIEWING

He acted as reviewer for the following scientific journals:

2005:	Newton's Bulletin, published by BGI and ISG.
2005:	Journal of Geodynamics, Elsevier.
2006-2015:	Advances in Space Research, Elsevier.
2006-2016:	Geophysical Journal International, Oxford University Press.
2007-2017:	Studia Geophysica et Geodaetica, Springer.
2007-2018:	Journal of Geodesy, Springer.
2011:	Computers & Geosciences, Elsevier.
2011:	Inverse Problems in Science & Engineering, Taylor & Francis.
2012:	Monthly Notices of the Royal Astronomical Society, John Wiley & Sons.
2013:	Terrestrial Atmospheric and Oceanic Sciences, Chinese Geoscience Union.
2013:	International Journal of Applied Earth Observation and Geoinformation, Elsevier.
2013:	Bollettino di Geofisica Teorica e Applicata, OGS.
2014:	Journal of Maps, Taylor & Francis.
2015-2018:	Marine Geodesy, Taylor & Francis.
2015-2016:	Annals of Geophysics, INGV.
2017:	Tectonophysics, Elsevier.
2017:	Rendiconti Lincei, Springer.
2018:	Survey Review, Taylor & Francis.
2018:	Acta Geophysica, Springer.
2018:	Scientific Reports, Springer Nature.
2018:	Journal of Geophysical Research: Solid Earth.
2018:	Journal of Geodetic Science.
2018:	Geosciences.
2018:	Remote Sensing.
2018:	Applied Geomatics.

He also acted as reviewer for the following conference proceedings and books:

2002:	Proceedings of the IAG-GG2002, Editions ZITI, Thessaloniki.
2004-2018:	Proceedings of GGSM2004 (Vol. 129), GGEO2008 (Vol. 135), IAG2009 (Vol. 136), GGSH2012 (Vol. 141), IGFS 2014 (Vol. 144), GGHS2016 (Vol. 148), Hotine-Marussi 2018, IAG Symposia, Springer.
2006:	Proceedings of the IAG-IGFS2006, Harita Dergisi, Ankara.
2008:	Advanced Technologies in Earth Sciences, Springer, Berlin.

TEACHING AT POLITECNICO DI MILANO

He has been **professor** (course holder) of the following courses:

2006/07-2010/11: (5 academic years)

Navigation Laboratory (2.5 credits)
Degree (M.Sc.) in Environmental Engineering (Como campus)
Degree (M.Sc.) in Computer Engineering (Como campus)
Lectures given in English since the academic year 2007/08

Students' evaluation of the course (max. 4.00)

2006/07	2007/08	2008/09*	2009/10*	2010/11*
3.80	3.14	2.65	2.83	3.17

*Integrated course called "Positioning, Geodetic Monitoring and Navigation"

since 2011/12:
(8 academic years)

Photogrammetry (10 credits)
Degree (M.Sc.) in Environmental Engineering
Degree (M.Sc.) in Civil Engineering
Lectures given in English since the academic year 2015/16

Students' evaluation of the course (max. 4.00)

2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
2.24	3.14	3.29	3.40	3.07	3.67	3.37

since 2013/14:
(3 academic years)

Monte Carlo Markov Chains Statistical Methods - Mod. B (3 credits)
Doctorate in Environmental and Infrastructure Engineering
Lectures given in English, every 2 academic years

2003/04-2013/14: He gave **seminaries** on physical and satellite geodesy, satellite gravity missions and their geophysical applications, and cluster analysis for the doctorates in Geodesy and Geomatics and in Environmental and Infrastructure Engineering.

2000/01-2013/14: He was involved in **practical lessons**, **laboratories** and **student tutoring** for the courses of Experimental Physics, Probability and Statistics, Surveying and Data Analysis, Statistical Analysis of Environmental Data, Thematic and Automatic Cartography, Remote Sensing, Digital Photogrammetry and Image Analysis, Positioning and Monitoring Techniques for the Degrees (B.Sc. and M.Sc.) in Environmental, Computer and Management Engineering.

TEACHING AT OTHER UNIVERSITIES

since 2017/18: **Visiting professor** at the Rheinische Friedrich-Wilhelms **Bonn University**, Institute for Geodesy and Geoinformation, giving a course called **Collocation and Applications** (winter semester, equivalent to 15 weeks, 2 hours a week). The course assignment has been confirmed for the academic year 2018/19 too.

He was invited to give the following **seminaries**:

2008: **Implementazione di uno stimatore bayesiano per la ricerca di cycle-slip nelle combinazioni di misure di fase GPS**
(translation in English: Implementation of a Bayesian estimator for cycle-slip detection in the combinations of GPS phase measurements)
University of Trento, Dept. of Civil and Environmental Engineering, Italy.

2010 **GOCE: observing the Earth gravity field from space** (given in English)
Osaka City University, Osaka, Japan.

2012: **Crustal thickness estimation from GOCE satellite mission gravity data**
University of Ferrara, Department of Physics and Earth Sciences, Italy.

2013: **I modelli globali di geopotenziale gravitazionale e la missione GOCE**
(translation in English: Gravitational geopotential global models and the GOCE mission)
University of Trento, Dept. of Civil, Environmental and Mechanical Engineering, Italy.

2016: **Data processing by collocation with geodetic applications**
"Geodätisches Kolloquium" at the Rheinische Friedrich-Wilhelms **Bonn University**, Institute for Geodesy and Geoinformation, Germany.

2018:	He was invited as a **teacher** for the **International School on AstroParticle Physics** (ISAPP), entitled "Using Particle Physics to Understand and Image the Earth", held at the University of Ferrara, Institute for Higher Studies (IUSS). He gave a lecture on **Gravity and Geodesy** on 3 July 2018.

THESIS TUTORING

	He has been tutor or co-tutor of the following **Ph.D. thesis**:
2008:	Co-tutor of the PhD thesis "**Global and local geoid modelling with GOCE data and collocation**" by N. Tselfes, tutor Prof. F. Sansò, Doctorate in Geodesy and Geomatics, Politecnico di Milano.
2009:	Co-tutor of the PhD thesis "**An inverse gravimetric problem with GOCE data**" by D. Sampietro, tutor Prof. F. Sansò, Doctorate in Geodesy and Geomatics, Politecnico di Milano.
2009:	Co-tutor of the PhD thesis "**goGPS – free and constrained relative kinematic positioning with low cost receivers**" by E. Realini, tutor Prof. M.A. Brovelli, Doctorate in Geodesy and Geomatics, Politecnico di Milano.
2011:	Co-tutor of the PhD thesis "**Error budget of future satellite missions monitoring gravity field time variations**" by L. Pertusini, tutor Prof. F. Sansò, Doctorate in Geomatics and Infrastructures, Politecnico di Milano.
2014:	Tutor of the PhD thesis "**Advanced GOCE data processing for space-wise gravity solution**" by A. Gatti, co-tutor Prof. F. Sansò, Doctorate in Environmental and Infrastructure Engineering, Politecnico di Milano.
2017:	Tutor of the PhD thesis "**Bayesian gravity inversion by Monte Carlo methods**" by L. Rossi, Doctorate in Environmental and Infrastructure Engineering, Politecnico di Milano.
since 2005/06:	He has been tutor or co-tutor of **B.Sc. and M.Sc. theses** in Environmental, Civil and Computer Engineering at Politecnico di Milano, as well as a M.Sc. thesis in Industrial Engineering at University of Pisa and a M.Sc. thesis in Earth and Environmental Physics at University of Trieste.

SCIENTIFIC PUBLICATIONS

since 2000:	He is author and co-author of about 115 scientific publications, 58 of which at an international peer-review standard. 42 papers are included in the Web of Science (WoS) database and 55 papers in the Scopus database (as of March 2019). This results into a WoS h-index equal to 14 with 815 citations (728 without self-citations) and a Scopus h-index equal to 14 with 982 citations (850 without self-citations). He is also co-author of two books, the latter being under preparation. The complete list of scientific publications can be found on the next page.

LANGUAGES

Italian:	Mother tongue.
English:	Very good knowledge (written and spoken).
Spanish:	Basic knowledge (written and spoken).

LIST OF SCIENTIFIC PUBLICATIONS

PAPERS IN INTERNATIONAL SCIENTIFIC JOURNALS

1. Albertella, F. Migliaccio, M. Reguzzoni, F. Sansò (2002). **Spacewise approach and measurement bandwidth in satellite gradiometry**. Bollettino di Geodesia e Scienze Affini, N. 3, 2002, pp. 179-189. ISSN: 0006-6710.
2. M. Reguzzoni (2003). **From the time-wise to space-wise GOCE observables.** Advances in Geosciences, Vol. 1, N. 1, 2003, pp. 137-142. ISSN: 1680-7340, DOI: 10.5194/adgeo-1-137-2003, SCOPUS: 2-s2.0-0142228818.
3. M. Reguzzoni, F. Sansò, G. Venuti, P. A. Brivio (2003). **Bayesian classification by data augmentation**. International Journal of Remote Sensing, Vol. 24, N. 20, pp. 3961-3981. ISSN: 0143-1161, DOI: 10.1080/0143116031000103817, WOS: 000185823000007, SCOPUS: 2-s2.0-0142228818.
4. F. Migliaccio, M. Reguzzoni, F. Sansò (2004). **Space-wise approach to satellite gravity field determination in the presence of coloured noise**. Journal of Geodesy, Vol. 78, N. 4-5, pp. 304-313. ISSN: 0949-7714, DOI: 10.1007/s00190-004-0396-z, WOS: 000225972500008, SCOPUS: 2-s2.0-10944270732.
5. F. Migliaccio, M. Reguzzoni, F. Sansò, C.C. Tscherning (2004). **The performance of the space-wise approach to GOCE data analysis, when statistical homogenization is applied**. Newton's Bulletin, N. 2, pp. 60-65. ISSN: 1810-8555.
6. M. Reguzzoni, G. Venuti, F. Sansò (2005). **The theory of general kriging, with applications to the determination of a local geoid**. Geophysical Journal International, Vol. 162, N. 2, pp. 303-314. ISSN: 0956-540X, DOI: 10.1111/j.1365-246X.2005.02662.x, WOS: 000230843800001, SCOPUS: 2-s2.0-27744554469.
7. F. Migliaccio, M. Reguzzoni, F. Sansò, G. Dalla Via, R. Sabadini (2008). **Detecting geophysical signals in gravity satellite mission**. Geophysical Journal International, Vol. 172, N. 1, pp. 56-66. ISSN: 0956-540X, DOI: 10.1111/j.1365-246X.2007.03600.x, WOS: 000251669800006, SCOPUS: 2-s2.0-37449021783.
8. M.C. de Lacy, M. Reguzzoni, F. Sansò, G. Venuti (2008). **The Bayesian detection of discontinuities in a polynomial regression and its application to the cycle-slip problem**. Journal of Geodesy, Vol. 82, N. 9, pp. 527-542. ISSN: 0949-7714, DOI: 10.1007/s00190-007-0203-8, WOS: 000258674800001, SCOPUS: 2-s2.0-50849114197.
9. M. Reguzzoni, N. Tselfes (2009). **Optimal multi-step collocation: application to the space-wise approach for GOCE data analysis**. Journal of Geodesy, Vol. 83, N. 1, pp. 13-29. ISSN: 0949-7714, DOI: 10.1007/s00190-008-0225-x, WOS: 000261751400002, SCOPUS: 2-s2.0-57949115294.
10. F. Migliaccio, M. Reguzzoni, N. Tselfes (2010). **A simulated space-wise solution using GOCE kinematic orbits**. Bulletin of Geodesy and Geomatics, Vol. LXIX, N. 01/2010, pp. 55-68. ISSN: 0006-6710.
11. R. Pail, M. Reguzzoni, F. Sansò, N. Kühtreiber (2010). **On the combination of global and local data in collocation theory**. Studia Geophysica et Geodaetica. Vol. 54, N. 2, pp. 195-218. ISSN: 0039-3169, DOI: 10.1007/s11200-010-0010-1, WOS: 000277719100001, SCOPUS: 2-s2.0-77952360175.
12. M. Fermi, M. Gregnanin, M. Mazzolena, M. Chersich, M. Reguzzoni, F. Sansò (2011). **The lunar gravity mission MAGIA: preliminary design and performances**. Experimental Astronomy, Vol. 32, N. 1, pp. 1-18. ISSN: 0922-6435, DOI: 10.1007/s10686-010-9188-z, WOS: 000300769400001, SCOPUS: 2-s2.0-80255141914.

13. R. Pail, S. Bruinsma, F. Migliaccio, C. Förste, H. Goiginger, W.-D. Schuh, E. Höck, M. Reguzzoni, J.M. Brockmann, O. Abrikosov, M. Veicherts, T. Fecher, R. Mayrhofer, I. Krasbutter, F. Sansò, C.C. Tscherning (2011). **First GOCE gravity field models derived by three different approaches**. Journal of Geodesy, Vol. 85, N. 11, pp. 819-843. ISSN: 0949-7714, DOI: 10.1007/s00190-011-0467-x, WOS: 000298587500007, SCOPUS: 2-s2.0-80052900156.
14. M.C. de Lacy, M. Reguzzoni, F. Sansò (2012). **Real-time cycle slip detection in triple-frequency GNSS**. GPS Solutions, Vol. 16, N. 3, pp. 353-362. ISSN: 1080-5370, DOI: 10.1007/s10291-011-0237-5, WOS: 000306174600008, SCOPUS: 2-s2.0-84864312864.
15. M. Reguzzoni, F. Sansò (2012). **On the combination of high-resolution and satellite-only global gravity models**. Journal of Geodesy, Vol. 86, N. 6, pp. 393-408. ISSN: 0949-7714, DOI: 10.1007/s00190-011-0526-3, WOS: 000304148300002, SCOPUS: 2-s2.0-84861199472.
16. E. Realini, D. Yoshida, M. Reguzzoni, V. Raghavan (2012). **Enhanced satellite positioning as a web service with goGPS open source software**. Applied Geomatics, Vol. 4, N. 2, pp. 135-142. ISSN: 1866-9298, DOI: 10.1007/s12518-012-0081-5, SCOPUS: 2-s2.0-84861511201.
17. A. Gatti, M. Reguzzoni, G. Venuti (2013). **The height datum problem and the role of satellite gravity models**. Journal of Geodesy. ISSN: 0949-7714, DOI: 10.1007/s00190-012-0574-3, WOS: 000313075000002, SCOPUS: 2-s2.0-84871955054.
18. E. Realini, M. Reguzzoni (2013). **goGPS: open source software for enhancing the accuracy of low-cost receivers by single-frequency relative kinematic positioning**. Measurement Science and Technology. Vol. 24, N. 11, 115010. ISSN: 0957-0233, DOI: 10.1088/0957-0233/24/11/115010, WOS: 000325847000010, SCOPUS: 2-s2.0-84887115908.
19. D. Yoshida, E. Realini, M. Reguzzoni, V. Raghavan (2013). **Integrating Low-cost RTK Positioning Services with a Web based Track Log Management System**. Applied Geomatics, Vol. 5, N. 2, pp. 99-108. ISSN: 1866-9298, DOI: 10.1007/s12518-013-0098-4, SCOPUS: 2-s2.0-84879486837.
20. M. Reguzzoni, D. Sampietro, F. Sansò (2013). **Global Moho from the combination of the CRUST2.0 model and GOCE data**. Geophysical Journal International, Vol. 195, N. 1, pp. 222-237. ISSN: 0956-540X, DOI: 10.1093/gji/ggt247, WOS: 000325769800017, SCOPUS: 2-s2.0-84885764152.
21. M. Gilardoni, M. Reguzzoni, D. Sampietro, F. Sansò (2013). **Combining EGM2008 with GOCE gravity models**. Bollettino di Geofisica Teorica ed Applicata. Vol. 54, N. 4, pp. 285-302. ISSN: 0006-6729, DOI: 10.4430/bgta0107, WOS: 000328818200002, SCOPUS: 2-s2.0-84897386753.
22. M. Gilardoni, M. Reguzzoni, D. Sampietro (2013). **A least-squares collocation procedure to merge local geoids with the aid of satellite-only gravity models: the Italian/Swiss geoids case study**. Bollettino di Geofisica Teorica ed Applicata. Vol. 54, N. 4, pp. 303-319. ISSN: 0006-6729, DOI: 10.4430/bgta0111, WOS: 000328818200003, SCOPUS: 2-s2.0-84897411928.
23. M. Menna, P.-M. Poulain, E. Mauri, D. Sampietro, F. Panzetta, M. Reguzzoni, F. Sansò (2013). **Mean surface geostrophic circulation of the Mediterranean Sea estimated from GOCE geoid models and altimetric mean sea surface: initial validation and accuracy assessment**. Bollettino di Geofisica Teorica ed Applicata. Vol. 54, N. 4, pp. 347-365. ISSN: 0006-6729, DOI: 10.4430/bgta0104, WOS: 000328818200006, SCOPUS: 2-s2.0-84897400504.
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25. G. Magli, E. Realini, M. Reguzzoni, D. Sampietro (2014). **Uncovering a masterpiece of Roman engineering: the project of Via Appia between Colle Pardo and Terracina**. Journal of Cultural Heritage. Vol. 15, N. 6, pp. 665-669. ISSN: 1296-2074, DOI: 10.1016/j.culher.2013.11.014, WOS: 000345526800011, SCOPUS: 2-s2.0-84890278187.

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