



A N E X A 4 . 1

Nume Prenume: Dumitru Paul Daniel

Gradul didactic: Sef lucrări

Instituția unde este titular: Universitatea Tehnică de Construcții București

Facultatea: Geodezie

Departamentul: Geodezie și Fotogrammetrie

L I S T A
lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. Contributii la determinarea cvasigeoidului pe teritoriul Romaniei
Conducator stiintific: Prof.univ.dr.ing. Constantin MOLDOVEANU
Facultatea de Geodezie, UTCB, martie 2011

B. Cărți si capitole în cărți publicate în ultimii 10 ani

1. Paul Daniel Dumitru, Monografie: Mise en place d'un SIG pour la gestion du controle qualite de la grille de reference des altitudes Francaises RAF 98, Editia: Marne la Valle : ENSG 2004, Numar pagini: 175, Numar notificare: 18755, Cota : MX, Web: http://www.ensg.eu/IMG/pdf/Bibliographie_rattachement_RGF93.pdf, Editura MATRIX, ISBN 978-606-25-0422-9, 2018.
2. Octavian Badescu, Paul Daniel Dumitru, Alexandru Calin, Astronomie Geodezica - suport de curs - format digital , 2017- platforma on-line <http://geodesy-instruct.ro> si format analogic, 116 pagini
3. Paul Daniel Dumitru, Alexandru Calin, Istoria Geodeziei - curs, ISBN: 978-606-25-0966-8, 105 pp, Editor Paul Daniel Dumitru, Editura MATRIX ROM, Bucuresti, 2025.
4. Paul Daniel Dumitru, Octavian Badescu, Alexandru Calin, Indrumator de geodezie matematica, ISBN: 978-606-25-0362-8, 149 pagini, Editor Paul Daniel Dumitru, Editura MATRIX ROM, Bucuresti, 2017.
5. Alexandru Calin, Octavian Badescu, Paul Daniel Dumitru , Indrumator sisteme informatice in masuratori terestre, ISBN: 978-606-25-0404-8, 85 pagini, Editor Alexandru Calin, Editura MATRIX ROM, Bucuresti, 2018.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Badescu O., Calin A., Nedelcu D.A., Dumitru P.D., Popescu M., Astro-geodetic platform for high accuracy geoid determination, "PASSO", Romanian Academy- Romanian Astronomical Institute, 27-30 may 2015, General Berthelot Village, Hunedoara county, Romania, Romanian Astronomical Journal, Vol 26 , No. 1, ISSN 1220-5168 / eISSN 2285-3758, 57-66 pp, Romanian Academy Publishing House, 2016. (http://www.astro.ro/~roaj/26_1/00-contents_26_1.pdf) – revista indexata ISI
2. Dumitru P.D., Badescu O., Calin A., Study regarding the use of the vertical deviation from Romanian historical astro-geodetic network in the geoid model development on the national territory, "PASSO", Romanian Academy- Romanian Astronomical Institute, 27-30 may 2015, General Berthelot Village, Hunedoara county, Romania, Romanian Astronomical Journal, Vol 26, No. 1, ISSN 1220-5168 / eISSN 2285-3758, 67-76 pp, Romanian Academy Publishing House, 2016. (http://www.astro.ro/~roaj/26_1/00-contents_26_1.pdf) – revista indexata ISI
3. Dragos Badea, Paul Dumitru, Octavian Badescu, Doina Vasilca, Oil spill detection using Radar, "GEOMAT 2015" Scientific conference with international participation, November 5-6, 2015, Iasi, Romania, RevCAD Journal of Geodesy and Cadaster No.19/2015, ISSN 1583-2279 , 95-102pp, Aeternitas Publishing House, 2015 - revista indexata BDI
4. P.D. Dumitru, C. Cosarca, A.Saracin, L.Calin, A.Negrila, Geodesic support for environmental impact evaluation in case of risk of flooding, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-59-9 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 2, 313-320 pp, DOI: 10.5593/SGEM2016/B22/S09.040 – ISI Proceedings
5. C. Cosarca, A.Saracin, A.Savu, C.Didulescu, P.D. Dumitru, The importance of geodetic measurements techniques in the execution and modernization of tunnels, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-59-9 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 2, 625-632 pp, DOI: 10.5593/SGEM2016/B22/S09.081 – ISI Proceedings
6. C.Didulescu, A.Savu, C. Cosarca, P.D. Dumitru, A.Calin, Information system regarding the environment changes in the case of landslides, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-58-2 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 1, 713-720 pp., DOI: 10.5593/SGEM2016/B21/S08.089 – ISI Proceedings
7. L.Calin, P.D. Dumitru, C.Didulescu, A.Savu, A.Negrila, Geographic Information System for sustainable development in rural areas, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-60-5 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 3, 247-254 pp, DOI: 10.5593/SGEM2016/B23/S11.032 – ISI Proceedings
8. A.Savu, C.Didulescu, A.Saracin, P.D. Dumitru, A.Negrila, Points of reference concerning adaptation of materials, teaching and learning tools in geodetic engineering, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-67-4 / ISSN 1314-2704, June 28 - July 6, 2016, Book5 Vol. 3, 939-946 pp, DOI: 10.5593/SGEM2016/B53/S22.120 – ISI Proceedings

9. Badescu O., Dumitru P., Calin A., Nedelcu D.A., Case study regarding determination and use of astro-geodetic deviations of the vertical in Romania, Environmental Engineering and Management Journal, June 2016, Vol. 15, No. 6, ISSN 1582-9596 / eISSN 1843-3707, 1187-1196 pp, Ecozone – “Gheorghe Asachi” Technical University of Iasi Publishing House, 2016. (<http://omicron.ch.tuiasi.ro/EEMJ/issues/vol15/vol15no6.htm>) – revista indexata ISI
10. Iuliana Armas, Mihaela Gheorghe, Ana Maria Lendvai, Paul Daniel Dumitru, Octavian Bădescu, Alexandru Călin, InSAR validation based on GNSS measurements in Bucharest, International Journal of Remote Sensing, Volume 37, 2016 - Issue 23, 5565-5580 pp, Print ISSN: 0143-1161 Online ISSN: 1366-5901, Taylor & Francis Online, 2016, DOI:10.1080/01431161.2016.1244367 (<http://www.tandfonline.com/doi/full/10.1080/01431161.2016.1244367>) – revista indexata ISI
11. C. Cosarca, A. Saracin, A. Savu, A.F.C. Negrila, P. D. Dumitru, A design solution of the monitoring system for displacements and deformations for an express road, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7408-02-7 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 22, 19-26 pp, DOI: 10.5593/sgem2017/22/S09.003 – ISI Proceedings – in curs de indexare
12. R.G. Dimitriu, I.M. Stanciu, M.B. Barbu, N. Dobrev, P.D. Dumitru, First results on the western black sea coastal geodynamics resulted from Geopontica permanent GNSS stations network data processing, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7105-98-8 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 11, 149-158 pp, DOI: 10.5593/sgem2017/11/S01.019 – ISI Proceedings – in curs de indexare
13. Andreea Ioana Gornea, Dan Alin Nedelcu, Paul Daniel Dumitru, Some results regarding statistical evaluation of the CCD astro-geodetic vertical deviation, Romanian Astronomical Journal, Vol 27 , No. 2, ISSN 1220-5168 / eISSN 2285-3758, 99-106 pp, Romanian Academy Publishing House, 2017. (http://www.astro.ro/~roaj/27_2/00-contents_27_2.pdf) – revista indexata ISI
14. Gornea, AI, Calin, A , Dumitru, PD, Nedelcu, DA, Stoica, RS, Statistical analysis of astro-geodetic data through principal component analysis, linear modelling and bootstrap based inference, Romanian Astronomical Journal, Vol 28 , No. 2, ISSN 1220-5168 / eISSN 2285-3758, 113-124 pp, Romanian Academy Publishing House, 2018. - revista indexata ISI
15. Călin A., Bădescu O., Dumitru P.D., Nedelcu D.A., Savu A., Tests regarding determinations of the vertical deviation by a new CCD astro-geodetic procedure, International Conference – Modern Technologies for the IIIrd Millennium, 17th Edition, Oradea, 2018, ISBN 978-88-87729-49-8, 15-20 pp, Editura EDlearning, 2018. - revista indexata ISI
16. Mihaela Gheorghe, Iuliana Armaș, Paul Dumitru, Alexandru Călin, Octavian Bădescu & Marius Necșoiu (2020) Monitoring subway construction using Sentinel-1 data: a case study in Bucharest, Romania, International Journal of Remote Sensing, Volume 41, Issue 7, pp 2644-2663, Print ISSN: 0143-1161 Online ISSN: 1366-5901, Taylor & Francis Online, DOI:10.1080/01431161.2019.1694723 - revista indexata ISI
17. Alexandru Călin, Paul Daniel Dumitru, Octavian Bădescu, Adrian Savu, New astro-geodetic measurements for geoid modeling, Romanian Astronomical Journal, Vol 33 , No. 3, ISSN 1220-5168 / eISSN 2285-3758, 183–198 pp, Romanian Academy Publishing House, Bucharest 2023, DOI:10.59277/RoAJ.2023.3.02 (https://www.astro.ro/~roaj/33_3/00_contents_33_3.pdf) - revista indexata ISI

D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)**- Reviste**

1. Badescu O., Calin A., Nedelcu D.A., Dumitru P.D., Plopeanu M., Improvements regarding CCD astro-geodetic procedures for vertical deviations determination, "GeoPreVi 2015", International Scientific Symposium Bucharest, 8-9 May 2015
2. Armas I., Gheorghe V.M., Calin A., Dumitru P.D., Badescu O., Plopeanu M., Identifying linearity /non-linearity in landscape evolution by integrating satellite-based radar interferometry and ground-based monitoring data. Study area: Bucharest, "GeoPreVi 2015", International Scientific Symposium Bucharest, 8-9 May 2015, Faculty of Geodesy Bucharest, Romania
3. A. M. Lendvai, I. Armaș, A.Călin, P. D. Dumitru, M. Plopeanu, O. Bădescu, Permanent scattered In-SAR validation based on GNSS measurements in Bucharest, "GeoPreVi 2015", International Scientific Symposium Bucharest, 8-9 May 2015, Faculty of Geodesy Bucharest, Romania
4. A.Calin, I.Armas, P.D. Dumitru, O.Badescu, M. Gheorghe, In-SAR data validation using GNSS technology, "GEOMAT 2015" Scientific conference with international participation, November 5-6, 2015, Iasi, Romania
5. Badescu O., Dumitru P.D., Calin A., Calin L.A., Nedelcu D.A., Popescu M., AGEO - a project for increasing the efficiency and accuracy of the vertical deviation determination by astro-geodetic measurements, "GEOMAT 2015" Scientific conference with international participation, November 5-6, 2015, Iasi, Romania
6. Paul Daniel Dumitru, Alexandru Calin, Octavian Badescu, Doina Vasilca, Dragos Badea, On the use of vertical deviation in geoid modelling, "GEOMAT 2015" Scientific conference with international participation, November 5-6, 2015, Iasi, Romania

- Selecție cu maximum 20 lucrări în volume de conferințe**E. Brevete obținute în întreaga activitate**

1.

Data: *Ianuarie 2025***Semnătura:**

E – Brevete (pentru întreaga activitate)

S.I.univ.dr.ing. Paul Daniel DUMITRU