

LOC PENTRU
FOTOGRAFIE

1. Nume
2. Prenume
3. Profesie
4. Funcție

5. Data nasterii
6. Locul nașterii
7. Stare civilă
8. Nume soț/ie
9. Prenume soț/ie
10. Prenumele copiilor

11. Studii/ pregătire profesională

1998-2002 Universitatea din Pitesti, Facultatea de
Matematica –Informatica, Specializarea Matematica
2002-2004 Universitatea din Pitesti, Facultatea de
Matematica –Informatica, Master in Informatica
2002-2004 Universitatea din Pitesti, Facultatea de
Matematica –Informatica, Cursuri postuniversitare de
reconversie in informatica

12. Istoricul carierei

2002-2004 cadru didactic asociat, plata cu ora la
Universitatea din Pitesti, Facultatea de Matematica –
Informatica, Catedra de Matematica;
2004-2006 preparator universitar la Universitatea din Pitesti,
Facultatea de Matematica – Informatica, Catedra de
Matematica;
2006-2012 asistent universitar la Universitatea din Pitesti,
Facultatea de Matematica – Informatica, Catedra de
Matematica;
2012-prezent lector universitar doctor la Universitatea din
Pitesti, FSEFI, Departamentul de Matematica - Informatica;

13. Publicații/ activitate științifică

Some Theoretically Aspects of the Seismic Problems,
Buletin Stiintific - Universitatea din Pitesti, Seria Matematica
si Informatica, Nr. 13 (2007), pg.65-72

Grant de cercetare cu nr. 189 din data de 20.07.2006, cu
denumirea temei: « Managementul termic si al apei pentru
sistemul de pile de combustie de tip PEM- etapa a V-a«.

Grant de cercetare cu nr. 31-028 din data de 10.09.2007, cu
denumirea temei: «Evaluarea si managementul zgomotului
ambiental si a calitatii aerului intr-o arie pilot, periurbana, in
interiorul careia exista mari obiective industriale si artere de
trafic ».

M. Dumitrache, *The Green's function for the wave equation*,
Universitatea din Pitești, Seria Matematică și Informatică,
Nr.14 (2008), pg 83-88.

M. Dumitrache, *About the coefficient of wave equation*,
Universitatea din Pitești, Seria Matematică și Informatică,
Nr.15 (2009), pg 25-28.

M. Dumitrache, H. Ene, B. Nicolescu, *Some theoretically*

14. Premii, distincții, decorații,

15. Membru al unor: uniuni, asociatii, cluburi, etc.

16. Hobby-uri

17. Adresa birou

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18. Adresa domiciliu

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aspects of the inverse problem from seismology, The International Session of 12-th Scientific Papers "Scientific Research and Education in the Air Force", AFASES 2010, 27-29 mai Braşov, ISBN 978-973-8415-76-8, pag. 322-327.

M. Dumitrache, H. Ene, *About the canonical form of second-order hyperbolic equation*, Buletin Ştiinţific – Universitatea din Piteşti, Seria Matematică şi Informatică, Nr.16 (2010), pg

M. Dumitrache, *Velocity reconstruction in weakly laterally inhomogeneous medium*, Romanian Journal of Acoustics and Vibration, 2010.

M. Dumitrache, H. Ene, B. Nicolescu, *About the inverse problem from seismology*, Buletinul Ştiinţific al Universităţii din Piteşti, Seria Mecanică Aplicată, Nr. 1 (20) din 2010.

M. Dumitrache, *On the integration along characteristics*, Universitatea din Piteşti, Seria Matematică şi Informatică, Nr.17 (2011), pg 31-34.

M. Dumitrache, C. Gheldiu, *The first order derivative of function $\chi_i(t)$* , The International Session of 14-th Scientific Papers "Scientific Research and Education in the Air Force", AFASES 2012, 24-26 mai Braşov, ISSN, ISSN-L 2247-3173, pg. 521-524.

M. Dumitrache, C. Gheldiu, *Hyperbolic equation - the coefficient $d = d(t)$* , Proceedings of the 13-th International Conference of Mathematics and its Applications, (ICMA'12), Timisoara, 1-3 Noiembrie 2012, ISSN 1224-6069.

C. Gheldiu, **M. Dumitrache**, *The propagation of the vibrations in thin and periodic plates – transfer by homogenization*, Proceedings of the 36-th International Conference of Mechanics of Solids, Acoustics and Vibrations, 25-26 octombrie 2012, Cluj-Napoca.

C. Gheldiu, **M. Dumitrache**, *Free vibrations in a thin reticulated structure*, ROMAI JOURNAL, nr. 2, 2012, pg 71-78.

M. Dumitrache, C. Gheldiu, R. Georgescu, *Homogenization of nonstationary diffusion problem with boundary values in a perforated domain*, Universitatea din Piteşti, Seria Matematică şi Informatică, Nr.18 (2012), pg 21-28.

R. Georgescu, C. Gheldiu, **M. Dumitrache**, *Finite singularities of total multiplicity four for a particular competing species model with one parameter*, Universitatea din Piteşti, Seria Matematică şi Informatică, Nr.18 (2012), pg. 29-36.

C. Gheldiu, **M. Dumitrache**, *Thermal conduction in gridworks (cylindrical domains)*, Acta Universitatis Apulensis – Mathematics-Informatics, Vol. 34/2013, ISSN: 1852-5329, Alba Iulia, 2013, pg. 185-190.

M. Dumitrache, C. Gheldiu, *High-frequency waves. The equation of the displacement vector*. Proceeding of The International Session of 15-th Scientific Papers "Scientific Research and Education in the Air Force", AFASES 2013, 23-25 mai Braşov, ISSN, ISSN-L 2247- 3173, pg. 329-332.

- C. Gheldiu, **M. Dumitrache**, *The waves homogenization as a function of the ε - period of oblique gridwork*, Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, Nr.vol.10, issue 1 (2013), pg. 54-58.
- M. Dumitrache**, C. Gheldiu, *Vibrații controlate ale stâlpilor de electricitate*, A -37-a conferință națională de mecanică a solidelor, acustică și vibrații, CNMSAV XXXVII, 6-8 iunie, Chișinău, Volumul I, pg 136-141, 2013.
- M. Dumitrache**, *Propagarea undei de înaltă frecvență într-o placă metalică subțire*, A -37-a conferință națională de mecanică a solidelor, acustică și vibrații, CNMSAV XXXVII, 6-8 iunie, Chișinău, Volumul I, pg 165-167, 2013.
- C. Gheldiu, **M. Dumitrache**, *Homogenization without regularity in alveolar structure*, Buletin Științific – Universitatea din Pitești, Seria Matematică și Informatică, Nr.19 (2013), pg.63-66.
- M. Dumitrache**, C. Gheldiu, *The curve of dispersion in the plane (ω, \hat{k})* , Buletin Științific – Universitatea din Pitești, Seria Matematică și Informatică, Nr.19 (2013), pg.51-54 .
- M. Dumitrache**, C. Gheldiu, *Controlled vibrations with boundary conditions for periodically thin structure*, Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, Nr.vol.10, issue 2 (2013), pg. 119-122.
- C. Gheldiu, **M. Dumitrache**, *The discrimination of the limit of a boundary value diffusion problem in a perforated domain*. Pp. 33-38. 24-25 Octombrie 2013, Brasov, Romania, **The 5th International Conference “Computational Mechanics and Virtual Engineering”, COMEC 2013.**
- M. Dumitrache**, C. Gheldiu, *The double scale convergence for problem of dissipative evolution in periodically perforated environment*, AIP. Conf. Proc. **1602**, issue 1, 279-285 (2014), DOI: 10.1063/1.4882500, **The 3th International Conference on Mathematical Sciences (ICMS3)**, 17-19 Decembrie 2013, Kuala Lumpur, Malaysia.
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- M. Dumitrache**, C. Gheldiu, *The equation of dispersion and the displacement vector in the symmetric case*. Proceeding of **The International Session of 16-th Scientific Papers “Scientific Research and Education in the Air Force”**, AFASES 2014, 22-24 mai Brașov, ISSN, ISSN-L 2247- 3173, pg. 345-347, **“Henri Coandă” Air Force Academy, Romania and “General M. R. Stefanik” Slovak Republic.**
- C. Gheldiu, **M. Dumitrache**, *The transformation of vibrations of the high-tension pillars by homogenization in the vibrations of the finite string*, Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, Nr.vol.XI, issue 1 (2014), pg. 63-66.
- M. Dumitrache**, C. Gheldiu, *About the plate velocity in a particular case of Lamb waves propagation*, Buletin Științific – Universitatea din Pitești, Seria Matematică și Informatică, Nr.20 (2014).
- C. Gheldiu, **M. Dumitrache**, *Exact controllability in oblique gridworks structures*, Romanian Journal of Acoustics and Vibration, ISSN 1584-7284, Nr.vol.XII, issue 1 (2015), pg. 103-106.
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- C. Gheldiu, **M. Dumitrache**, R. Georgescu, *The heat diffusion in a thin alveolar structure*, Buletin Științific – Universitatea din Pitești, Seria Matematică și Informatică, Nr.21 (2015).
- 17-20 September 2015, Suceava, Romania, **The 23th Conference on Applied and Industrial Mathematics, CAIM 2015**, C. Gheldiu, **M. Dumitrache**, *Double scale convergences and exact internal controllability with Fourier conditions*.
- 24-26 September 2015, Resita, Romania, **39th Conference on Solid Mechanics, Acoustics and Vibrations**, C. Gheldiu, **M. Dumitrache**, *The dissipated waves following the Langmuir model in an alveolar structure*.
- 05-07 Noiembrie 2015, Timisoara, Romania, **The XIVth International Conference on Mathematics and its Applications**, C. Gheldiu, **M. Dumitrache**, *The diffusion in a double periodic perforated domain with boundary conditions*.

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M. Dumitrache, C. Gheldiu, *Exact controllability for the wave problem with Robin conditions on an epsilon periodic domain*, Acta Universitatis Apulensis, ISSN: 1582-5329, vol 50, pg 1-10, doi: 10.17114/j.aa.2017.50.01, 2017.