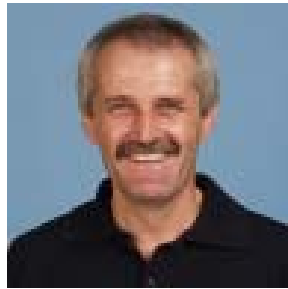




Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Ovidiu Florin CALTUN
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Telephone(s) + 40 232 201174 Mobile: 0740277065
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E-mail caltun@uaic.ro; ovidiu_caltun@yahoo.com

Nationality Romanian

Date of birth 17.07.1956

Gender male

Present employment / position **Professor Ph. D (from 1998) Senior Member IEEE**

Work experience

Dates 1991..2015
Occupation or position held Assistant, Reader, Associate Professor, Professor
Name and address of employer Alexandru Ioan Cuza University of Iasi

Type of business or sector Education
Dates 1983..1991
Occupation or position held Researcher
Name and address of employer Department of Sensor and Actuators at National Institute for Electrotechnics Iasi Division

Type of business or sector Research
Dates 1981..1983
Occupation or position held Physicist
Name and address of employer Quality Control Laboratory Terom Ltd. Iasi

Type of business or sector	Industry																																																												
Personal skills and competences	Able to work well in teams, Self-motivated, Able to manage change, Understands creative processes, Establishes collaborative relationships and projects, Fluent in French and English, Beginner in Greek, Skilled in modeling phenomenon and signal processing																																																												
Mother tongue(s)	Romanian																																																												
English																																																													
Self-assessment																																																													
<i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>E</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>x:</td> <td>Proficient</td> <td>C</td> <td>Proficient</td> <td>B</td> <td>Independent</td> <td>B</td> <td>Independent</td> <td>B</td> <td>Independent</td> </tr> <tr> <td>C</td> <td>user</td> <td>2</td> <td>user</td> <td>2</td> <td>user</td> <td>2</td> <td>user</td> <td>2</td> <td>user</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				E										x:	Proficient	C	Proficient	B	Independent	B	Independent	B	Independent	C	user	2	user	2	user	2	user	2	user	1									
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C	user	2	user	2	user	2	user	2	user																																																				
1																																																													
	<i>(*) Common European Framework of Reference for Languages</i>																																																												
Professional skills and competences	Effective in public presentations, Able to present technical data, Knowledgeable about technical report writing, Understands proposal writing, Able to write in-depth research reports, , Demonstrates knowledge of program evaluation, Able to conduct action research, Designs experiments Knowledgeable about project design and planning, Establishes collaborative relationships and projects																																																												
Organisational skills and competences	Understands governance and administrative systems, Understands how to use decision making to support mission, Understands organizational culture, Able to gather and synthesize information on internal and external environments, Able to assess educational program, Able to review scientific paper, Organize of scientific meetings																																																												
Teaching activities	Physics of magnetic materials, Textbook - Magnetostrictive cobalt ferrite (2010) , Editor , Alexandru Ioan Cuza University Publishing House Didactic of Science - Text book Special chapters in Didactics of Physics (2007) Alexandru Ioan Cuza University Publishing House																																																												

Scientific research activity

a) field(s) of expertise/ number of published papers
magnetic thin films and nanoparticles for technological application / 80 ISI papers, 456 citations, Hirsch - index 13

b) scientific grants (total number) As director 3 (6 Millions Euro) , As member more than 20
Team Member in International LLP Erasmus Networks Grants and FP-6 and Fp-7

c) Papers in BDI or non ISI Journals more than 100

Additional information

Visit at : University of Greifswald, Braunschweig, Leipzig, Saarbrucken, Dresden (Germany), Pavia, Naples, Roma, Palermo, Milan (Italy), Patras, Thessaloniki (Greece), Lille 1, Versailles, Rouen, Lyon, Nancy (France), Warsaw, Lodz (Poland), Brussels, Gent, Antwerp (Belgium), Changhua (Taiwan), Bratislava (Slovakia), Tokyo (Japan), Joensuu, Helsinki, Rovaniemi (Finland), Geneva (Switzerland), Granada (Spain), Coimbra (Portugal), Zagreb, Rijeka (Croatia), Chernovtsy (Ukraine), Sofia (Bulgaria) Santiago, Conception (Chile)

Appendices

Please attach a selection of journal papers, books, research grants, brevets, etc. relevant for the master program(s) under assessment

Personal indexes by Romanian National Commission of Academic Titles

P=8.921

I=5.775

C=129.882

A. Ph. D Thesis 1998: "Studies of electric and magnetic properties of manganese doped ferriter". Supervisor Prof. Constatin Păpușoi Ph. D..

B. Books:

in English: P. Andrei, Al. Stancu, **O. F. Caltun**, "Modeling and Simulation of electrical circuits with hysteretic inductors by using a dynamic Preisach model" Preisach Memorial Book, Hysterezis Models in Mathematics, Physics and engeneering, Edited by Amalia Ivanyi, Akademiai Kiado, Budapest 2005 pp. 187 – 197

in Romanian: Editor **O. F. Caltun**, Magnetostrictive cobalt ferrite, Alexandru Ioan Cuza Publishing House, 2009, pp. 270

C. 10 Recent Selected ISI Papers:

[1] Coman, T; Ursu, EL; Nica, V; Tiron, V; Olaru, M; Cotofana, C; Dobromir, M; Coroaba, A; Dragos, OG; Lupu, N; Caltun, OF; Ursu, C, Improving the uncommon (110) growing orientation of Al-doped ZnO thin films through sequential pulsed laser deposition, THIN SOLID FILMS, vol. 571, pp. 198-205, (2014) 10.1016/J.TSF.2014.10.037

[2] Gherca, D; Pui, A; Nica, V; Caltun, O; Cornei, N, Eco-environmental synthesis and characterization of nanophase powders of Co, Mg, Mn and Ni ferrites, CERAM INT, vol. 40(7), pp. 9599-9607, (2014) 10.1016/J.CERAMINT.2014.02.036

[3] Doaga, A; Cojocariu, AM; Amin, W; Heib, F; Bender, P; Hempelmann, R; Caltun, OF, Synthesis and characterizations of manganese ferrites for hyperthermia applications, MATER CHEM PHYS, vol. 143(1), pp. 305-310, (2013) 10.1016/J.MATCHEMPHYS.2013.08.066

[4] Slatineanu, T; Iordan, AR; Oancea, V; Palamaru, MN; Dumitru, I; Constantin, CP; Caltun, OF, Magnetic and dielectric properties of Co-Zn ferrite, MATER SCI ENG B-ADV, vol. 178(16), pp. 1040-1047, (2013) 10.1016/J.MSEB.2013.06.014

[5] Dascalu, G; Pompilian, G; Chazallon, B; Nica, V; Caltun, OF; Gurlui, S; Focsa, C, Rare earth doped cobalt ferrite thin films deposited by PLD, APPL PHYS A-MATER, vol. 110(4), pp. 915-922, (2013) 10.1007/S00339-012-7196-8

[6] Agarwal, S; Caltun, OF; Sreenivas, K, Magneto electric effects in BaTiO₃-CoFe₂O₄ bulk composites, SOLID STATE COMMUN, vol. 152(21), pp. 1951-1955, (2012) 10.1016/J.SSC.2012.08.002

[7] Gherca, D; Pui, A; Cornei, N; Cojocariu, A; Nica, V; Caltun, O, Synthesis, characterization and magnetic properties of MFe₂O₄ (M = Co, Mg, Mn, Ni) nanoparticles using ricin oil as capping agent, J MAGN MAGN MATER, vol. 324(22), pp. 3906-3911, (2012) 10.1016/J.JMMM.2012.06.027

[8] Ciomaga, CE; Airimioaei, M; Nica, V; Hrib, LM; Caltun, OF; Iordan, AR; Galassi, C; Mitoseriu, L; Palamaru, MN, Preparation and magnetoelectric properties of NiFe₂O₄-PZT composites obtained in-situ by gel-combustion method, J EUR CERAM SOC, vol. 32(12), pp. 3325-3337, (2012) 10.1016/J.JEUCERAMSOC.2012.03.041

[9] Cojocariu, AM; Soroceanu, M; Hrib, L; Nica, V; Caltun, OF, Microstructure and magnetic properties of substituted (Cr, Mn) - cobalt ferrite nanoparticles, MATER CHEM PHYS, vol. 135(2-3), pp. 728-732, (2012) 10.1016/J.MATCHEMPHYS.2012.05.051

[10] Slatineanu, T; Iordan, AR; Palamaru, MN; Caltun, OF; Gafton, V; Leontie, L, Synthesis and characterization of nanocrystalline Zn ferrites substituted with Ni, MATER RES BULL, vol. 46(9), pp. 1455-1460, (2011) 10.1016/J.MATERRESBULL.2011.05.002

D. Most Cited 10 Papers:

1. Study of the microstructure and of the permeability spectra of Ni-Zn-Cu ferrites, By: Caltun, OF; Spinu, L; Stancu, A; et al. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 242 Pages: 160-162 Article Number: PII S0304-8853(01)01187-8 Part: 1 Published: APR 2002 Cited 40 times

2. Magnetic properties of high frequency Ni-Zn ferrites doped with CuO, Caltun, OF; Spinu, L; Stancu, A

IEEE TRANSACTIONS ON MAGNETICS Volume: 37 Issue: 4 Pages: 2353-2355 Part: 1
Published: JUL 2001 Cited 38 Times

3. The influence of Mn doping level on magnetostriction coefficient of cobalt ferrite, By: Caltun, Ovidiu; Rao, G. S. N.; Rao, K. H.; et al. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 316 Issue: 2 Pages: E618-E620 Published: SEP 2007 Cited 34 times

4. Swift heavy ions irradiation studies on some ferrite nanoparticles, By: Rao, BP; Rao, KH; Rao, PSVS; et al., NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 244 Issue: 1 Pages: 27-30 Published: MAR 2006 Cited 25 times

5. High magnetostrictive doped cobalt ferrite, By: Caltun, O.; Chiriac, H.; Lupu, N.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 4 Pages: 1158-1160 Published: APR 2007 Cited 24 times

6. High magnetostrictive cobalt ferrite for sensor applications, By: Caltun, O. F.; Rao, G. S. N.; Rao, K. H.; et al. : SENSOR LETTERS Volume: 5 Issue: 1 Pages: 45-47 Published: MAR 2007 Cited 19 Times

7. Synthesis and magnetic studies of Ni-Zn ferrite nanoparticles, By: Rao, B. Parvatheeswara; Kumar, A. Mahesh; Rao, K. H.; et al. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 8 Issue: 5 Pages: 1703-1705 Published: OCT 2006 Cited 19 times

8. Differential phenomenological models for the magnetization processes in soft MnZn ferrites, By: Andrei, P; Caltun, O; Stancu, A, IEEE TRANSACTIONS ON MAGNETICS Volume: 34 Issue: 1 Pages: 231-241 Part: 2 Published: JAN 1998, Cited 19 times

9. Synthesis and characterization of nanocrystalline Zn ferrites substituted with Ni, By: Slatineanu, Tamara; Iordan, Alexandra Raluca; Palamaru, Mircea Nicolae; et al., MATERIALS RESEARCH BULLETIN Volume: 46 Issue: 9 Pages: 1455-1460 Published: SEP 2011 Cited 18 times

10. Dielectric behaviour of niobium doped Ni-Zn-ferrites, By: Rao, BP; Rao, KH; Trinadh, K; et al. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 6 Issue: 3 Pages: 951-954 Published: SEP 2004 Cited 18 times

E. Selected Romanian Patents in Romanian

1. A. Bartic, O. F. Călțun, Gh. Popa Romanian Patent 89348 C25D 5/10 - 29.11.1985 Anticorrosion protection by successive electrochemical and interdiffused layers

2. D. Dumbravă, D. Gheorghiu, M. Duca, O. F. Călțun Romanian Patent 91400 G01N 27/02 - 08.09.1986, Apparatus for martensitic content measurements

3. O. F. Călțun, A. Bartic Romanian Patent 92234 G01R 31-02/30.01.1987, Methods for electronic circuits testing

4. D. Romanescu, I. Moisă, C. Răuțu, O. F. Călțun, A. Hanganu Romanian Patent 96404 H01F 13/00 - 31.08.1988 Impuls demagnetizer

5. O. F. Călțun, A. Teșu Romanian Patent 99815 G01W 1/02 - 20.11.1989 Humidity and temperature sensors

6. D. Romanescu, C. Răuțu, O. F. Călțun, I. Moisă Romanian Patent 101587 F03B 13/12 - 29.06.1990 Electrogenerator actuated by waves

7. D. Romanescu, O. Călțun, C. Răuțu, I. Moisă Romanian Patent 103784 G01H 1/00 - 26.06.1991 Vibrational relay

8. O. F. Călțun, A. Teșu Romanian Patent 104547 G01N 27/04 - 27.10.1989 Apparatus for air humidity and air temperature measurements

9. I. Moisă, C. Răuțu, D. Romanescu, O. F. Călțun Romanian Patent 108508 H01H 9/20 - 29.04.1994 Device for alarm system

28 March 2015