

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name

MARIN CORNEL

Address

B-DUL LIBERTĂȚII, BLOC C3, ETAJ III, AP. 41, TARGOVISTE, JUDEȚUL DAMBOVITA, ROMANIA

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Nationality

Română

Date of birth

23.12.1959

The indented work

CADRU DIDACTIC TITULAR FIMM

WORK EXPERIENCE

Dates (from – to)

OCT. 1992 – prezent

Name and address of employer

UNIVERSITATEA VALAHIA TÂRGOVIȘTE, FACULTATEA DE INGINERIA MATERIALELOR ȘI MECANICĂ

Type of business or sector

Învățământ superior universitar sistem L-M-D

Occupation or position held

- Profesor universitar (din 2004 până în prezent)
- Conferențiar univ. 2000-2004
- Șef lucrări univ. 1996-2000
- Asistent univ. 1002-1996
- Conducător de Doctorat, Domeniul Inginerie mecanică (din 2010- până în prezent)
- Director Departament MATERIALE, ECHIPAMENTE, INSTALAȚII ȘI ROBOȚI – M.E.I.R. (2006-2020);
- Membru al Consiliului facultății INGINERIA MATERIALELOR, MECATRONICĂ ȘI ROBOTICĂ (1996-2019);
- Secretar științific al Senatului Universității VALAHIA din Târgoviște (2000);
- Director al Colegiului Tehnic al Universității VALAHIA din Târgoviște (2002-2004);
- Organizator al Sesiunii anuale de comunicări științifice a studenților Facultății de Ingineria materialelor și Mecanică MECAMAT (1996 - 2109);
- Organizator al Simpozionului național cu participare internațională de „MECATRONICĂ ȘI INGINERIE MECANICĂ, MICROTEHNOLOGII ȘI MATERIALE NOI”(2003 - prezent);
- Vicepreședinte al Comisiei de etică a Universității VALAHIA din Târgoviște (din oct.2020 - până în prezent)

Main activities and responsibilities

Dates (from – to)

1986 – 1992

Name and address of employer

Institutul de cercetare științifică IPCUP- Ploiești, filiala CCSITARES Târgoviște

Type of business or sector

- Cercetare și proiectare în domeniul armăturilor industriale, echipamentelor de reglare și siguranță din componența instalațiilor chimice, petrochimice, energetice clasice și nucleare-electrice.

Occupation or position held

- Inginer proiectant, cercetător științific CS II.

Main activities and responsibilities

- Activități de proiectare a robinetelor de reglare; cercetare în domeniul curgerii prin robinetele de reglare, etanșărilor, fiabilității și duranței armăturilor nucleare, etc.

Dates (from – to)

1984– 1986

Name and address of employer

Intreprinderea UPET SA Târgoviște

Type of business or sector

- Secția a VII a armături CNE Cernavoda

Occupation or position held

- Inginer tehnolog

Main activities and responsibilities

- implementarea tehnologiei de fabricație pentru armăturile în secția de prelucrări prin așchiere, urmărirea respectării tehnologiei de fabricație în sistemul de Asigurarea Calității AQ 04 pentru armăturile de la Combinatul Chimic de Apă Grea Drobeta Turnu Severin și Centrala Nucleo-Electrică Cernavodă;

EDUCATION AND TRAINING

Dates (from – to)

Name and type of organization providing education and training

Principal subjects/occupational skills covered

Title of qualification awarded

Level in national classification (if appropriate)

Dates (from – to)

Name and type of organization providing education and training

Principal subjects/occupational skills covered

Title of qualification awarded

Level in national classification (if appropriate)

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

OTHER LANGUAGES

Reading skills

Writing skills

Verbal skills

SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

- punerea în funcțiune și programarea mașinilor - unelte cu comandă numerică (GRP 4 și SNCC) achiziționate de UPET Târgoviște pentru fabricația acestor tipuri de echipamente;
- participarea la calificarea proceselor tehnologice și la omologarea produselor finite; la expertizele tehnice la clienții interni și externi;

1979 - 1986

Universitatea POLITEHNICA București, Facultatea de Tehnologia Construcțiilor de Mașini

Studii de licență

Inginer

Mecanică - Tehnologia construcțiilor de mașini

1994 - 1999

Universitatea Politehnica București, Facultatea de Ingineria Sistemelor Biotehnice

Studii de doctorat

Doctor inginer

Inginerie mecanică – Mecanică tehnică și vibrații

ROMÂNĂ

Franceză	Engleză	Germană
C1 - Utiliz. Exper.	B1 - Utiliz. Indep.	
B1 - Utiliz. Indep.	A2 - Utiliz. elem	
B1 - Utiliz. Indep.	A2 - Utiliz. elem	

Ca urmare a activităților pe care le-am desfășurat ca inginer proiectant, cercetător științific și cadru didactic universitar am dobândit următoarele aptitudini și competențe:

- foarte buna cunoaștere a activităților și metodelor de cercetare științifică precum și a metodelor didactice specifice învățământului superior
- capacitate de comunicare
- spirit de observație
- conștiinciozitate
- receptivitate la nou

SPECIALIZARI – PERFEȚIONĂRI

- Cursul de proiectare asistată de calculator AUTOCAD Release 12 - noiembrie 1994 CEPROAR SA Târgoviște - coordonat de DYNA TEK, firmă autorizată de AUTODESK
- Cursul de instruire în folosirea mărcilor tensometrice în măsurător de inginerie - mai 1996 , Cluj coordonat de firma VISHAY MEASUREMENT GROUP –SUA.
- Cursul de evaluare a întreprinderilor la Universitatea Valahia Târgoviște, obținând Certificatul de absolvire Seria A nr. 0003705/23.05.1996
- Cursul de proiectare CAD - CAM folosind CATIA V5 – ianuarie 2015 la Institutul de cercetări al Universității VALAHIA din Târgoviște - coordonat de firma MAGIC ENGINEERING, autorizat de DESSAULT SYSTEM

ORGANIZATIONAL SKILLS

AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

TECHNICAL SKILLS

AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

ARTISTIC SKILLS

AND COMPETENCES

OTHER SKILLS

AND COMPETENCES

- *Competences not mentioned above.*

Aptitudini și competențe:

- ♦ inovație și creativitate; onestitate și integritate; responsabilitate socială față de angajați și subalterni; capacitate de adaptare la condiții noi de lucru;
 - ♦ capacitate de comunicare; disponibilitate pentru program de lucru prelungit;
 - ♦ flexibilitate; dinamism; spirit de observație; lucru în echipă;
 - ♦ experiență în domeniul comunicării cu personalul didactic, cu comunitatea, cu autoritățile; receptivitate la nou; spirit analitic.
-
- ♦ Operare P.C. - Microsoft Word, Excel, Power Point, MATHCAD, MATLAB – SIMULINK, SOLID WORKS – COSMOS WORKS -SIMULATE, CATIA, ANSYS
 - ♦ pregătire științifică și aplicativă de nivel universitar
 - ♦ pregătire de doctorat de nivel postuniversitar
 - ♦ conducător de doctorat în domeniul Inginerie Mecanică
-
- ♦ Istorie, religie, științe naturale

1. LUCRĂRI ȘTIINȚIFICE (CAPITOLE) REPREZENTATIVE PUBLICATE ÎN EDITURI NAȚIONALE ȘI INTERNAȚIONALE

1. REZISTENȚA MATERIALELOR Partea a II a – Teoria elasticității și solicitări complexe. Editura Bibliotheca 2014, 978-973-712-936-9.
2. REZISTENȚA MATERIALELOR Partea I - Solicitări simple. Editura Bibliotheca 2013, 978-973-712-832-4.
3. TEHNICI DE MODELARE SI SIMULARE IN INGINERIA MECANICĂ, Editura Bibliotheca 2011, 978-973-712-398-5
4. VIBRAȚII MECANICE. APLICAȚII. PROBLEME – Editura Bibliotheca Târgoviște, 2008, ISBN 978-973-712-397-8;
5. PROIECTAREA, MODELAREA, SIMULAREA SISTEMELOR MECANICE, UTILIZÂND SOLID-WORKS, COSMOS-MOTION ȘI COSMOS-WORKS, Editura Valahia University Press, Târgoviște 2009, ISBN 978-973-1955-05-6.
6. CALCULUL ȘI CONSTRUCȚIA MAȘINILOR VIBRATOARE Ed. PRINTECH, București, 2009 ISBN 978-606-621-429-3;
7. MECANICĂ CLASICĂ ȘI MODERNĂ Editura Valahia University Press, Târgoviște 2009, ISBN 978-973-1955-17-9
8. RESEARCH TRENDS IN MECHANICS, Vol. III (CAPITOL) *Chapter 11*: “Dynamical behaviour of the structures subjected to mechanical shocks” Editura Academiei Române, București 2009, ISBN 978-973-27-1574-1.
9. IAENG TRANSACTIONS ON ENGINEERING TECHNOLOGIES - VOL 1 *Chapter 15*: Alternative analytical method used in plotting the shear force and bending moment diagrams, displacements and rotations distributions for beams subjected to bending America Institute of Physics, ISBN: 978-0-7354-0622-3, ISSN 0094-243X, Melville New York, 2009, AIP Conference Proceedings 1089;
10. ADVANCES IN COMPUTER SCIENCE AND IT *Chapter 11*: „Alternative analytical method used in the calculus of hyper static mechanical systems , in plotting the distribution of shear force, bending moment, displacements and rotations of section beam” *Chapter 13*: „Numerical integration tools in material point motion dynamics”IN-TECH Olajnica 19/2, 32000 Vucovar Croatia 2009, ISBN 978-953-7619-61-0

2. MOBILITĂȚI

- SOCRATES ERASMUS 2002 - Colegiul de Inginerie din Copenhaga, Danemarca, referent prof. Jorgen Dyr șef Departament de Mecanică și Dinamica structurilor;
- SOCRATES ERASMUS 2003 - Universitatea Franche Compte Besancon, Franța, Laboratoire de Mechanique Appliqué, LMA referenți Prof. dr. Dominique Perreaux, director LMA Besancon șef LMA, și Prof. dr. Jean Piranda șef Laborator de vibrații și analiză dinamică
- LEONARDO DA VINCI 2004 - Roboți industriali și Mecatronica — E.N.A.I.P Torino, Italia 2004
- SOCRATES ERASMUS 2004, 2006 - Laboratoire d'Etude et de Caracterisation des Amorphes et Polymers, Faculte de Sciences Techniques Universite de Rouen, LECAP, referent Prof. dr. Jean Marc SAITER, Prof. dr. Erich D'Argent FRANCE
- SOCRATES ERASMUS 2008 - Instituto Politecnico de Tomar, Eschola superior de Tecnologia de Tomar - ESTT, Departamento de Engenharia Civil, TOMAR Portugal, Prof. dr. Chevalier A.
- SOCRATES ERASMUS 2016 - - Laboratoire de Mechanique appliquee, Universite de Nantes FRANCE

3. Director proiect partener UVT: Titlul Proiectului: *“Dezvoltarea educației pentru viabilizarea pieței muncii prin vectori inovatori Mecatronică –Integronică (M&I)”*

Proiect cofinanțat din Fondul Social European POSDRU/90/2.1/S/62144Coordonator INCDMTM Bucuresti, Partener 2 Universitata VALAHIA din Târgoviște

4. Expert politici educaționale EPE: Titlul Proiectului: *Start în carieră prin master didactic* (Cod MySmis 2014+:140783) Proiect cofinanțat din Fondul Social European prin Programul Operațional Capital Uman POCU, MEN, perioada proiect 2020-2023.

Data
15.12. 2022

Semnătura



UNIVERSITATEA : „VALAHIA” DIN TÂRGOVIȘTE

FACULTATEA: INGINERIA MATERIALELOR ȘI MECANICĂ (FIMM)

DEPARTAMENTUL: MATERIALE, ECHIPAMENTE INSTALAȚII ȘI ROBOTI (MEIR)

LISTA

lucrărilor științifice

Prof. univ. dr. ing. MARIN Cornel

A. Teza de doctorat

Cornel MARIN - *“CONTRIBUȚII LA STUDIUL ÎMBINĂRILOR SUPRAFEȚELOR RECIPIENTELOR VASELOR ȘI ANVELOPELOR SUB PRESIUNE, ÎN REGIMURI STATICE ȘI DINAMICE”* Catedra de Mecanică, Facultatea de Ingineria Sistemelor Biotehnologice, Universitatea “POLITEHNICA” București, conducător Prof. univ. dr. ing. Mihai ATANASIU, Teza a fost susținută public în dec.1999

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

1. **Cornel MARIN**, Anton HADAR – METODE NUMERICE ȘI APLICAȚII IN INGINERIA MECANICĂ , Editura Valahia University Press, Târgoviște, 2020, ISBN 978-606-603-196-7.
2. **Cornel MARIN**, Ion Florin POPA - CONTROLUL VIBRAȚIILOR ȘI DIAGNOZA VIBROACUSTICĂ A SISTEMELOR MECANICE , Editura Valahia University Press, Târgoviște ISBN 978-606-603-194-3, 2018
3. **Cornel MARIN** - ÎNDRUMAR DE LABORATOR. ANALIZA CU ELEMENTE FINITE, Editura Valahia University Press Târgoviște, 2015, fără ISBN
4. **Cornel MARIN** - ÎNDRUMAR DE LABORATOR. VIBRAȚII MECANICE, Editura Valahia University Press Târgoviște, 2015, fără ISBN
5. **Cornel MARIN** - ÎNDRUMAR DE LABORATOR. METODE NUMERICE – MATHCAD, Editura Valahia University Press Târgoviște, 2015, fără ISBN
6. **Cornel MARIN**, Carmen POPA, Alexis NEGREA - ÎNDRUMAR DE LABORATOR. REZISTENȚA MATERIALELOR, Editura Valahia University Press Târgoviște, 2015, fără ISBN
7. **Cornel MARIN** - REZISTENȚA MATERIALELOR. Partea a II a – Teoria elasticității și solicitări complexe Editura Bibliotheca Târgoviște 2014, ISBN 978-973-712-936-9
8. **Cornel MARIN** - REZISTENȚA MATERIALELOR. Partea I - Solicități simple. Editura Bibliotheca Târgoviște 2013, ISBN 978-973-712-832-4.
9. **Cornel MARIN** - PROBLEME TIP DE REZISTENȚA MATERIALELOR REZOLVATE ÎN MATHCAD, Editura Bibliotheca, Târgoviște 2012, ISBN 978-973-712-728-0
10. **Cornel MARIN**, Gheorghe VASILE TEHNICI DE MODELARE SI SIMULARE IN INGINERIA MECANICA, Editura Bibliotheca Târgoviște, 2011, ISBN 978-973-712-602-3
11. Gheorghe ENE, **Cornel MARIN** - AGREGATE CU TAMBUR ROTATIV. CALCUL ȘI CONSTRUCTE Editura PRINTECH, București, 2010, ISBN 978-606-521-530-6

12. **Cornel MARIN**, Viviana FILIP, Teodor HUIDU, Alexis NEGREA - MECANICĂ CLASICĂ ȘI MODERNĂ, Editura Valahia University Press, Târgoviște 2009, ISBN 978-973-1955-17-9
13. Dinel POPA, Veturia CHIROIU, Ligia MUNTEANU, **Cornel MARIN**, Polidor BRATU s.a.- RESEARCH TRENDS IN MECHANICS, Vol. III *Chapter 11: "Dynamical behaviour of the structures subjected to mechanical shocks"* Editura Academiei Române, București 2009, ISBN 978-973-27-1816-2
14. D.M. Akbar Hussain, **Cornel MARIN**, Viviana FILIP, Alexandru MARIN, s.a. - ADVANCES IN COMPUTER SCIENCE AND IT *Chapter 11: „Alternative analytical method used in the calculus of hyper static mechanical systems , in plotting the distribution of shear force, bending moment, displacements and rotations of section beam . Chapter 13: „Numerical integration tools in material point motion dynamics* IN-TECH Olajnica 19/2, 32000 Vucovar Croatia 2009, ISBN 978-953-7619-51-0
15. **Cornel MARIN**, Viviana FILIP, Alexandru MARIN *Chapter 15: ALTERNATIVE ANALYTICAL METHOD USED IN PLOTTING THE SHEAR FORCE AND BENDING MOMENT DIAGRAMS, DISPLACEMENTS AND ROTATIONS DISTRIBUTIONS FOR BEAMS SUBJECTED TO BENDING*, In IAENG TRANSACTIONS ON ENGINEERING TECHNOLOGIES I American Institute of Physics, Melville New York, AIP Conference Proceedings 1089, 2009 ISBN: 978-0-7354-0622-3, ISSN 0094-243X
16. Gheorghe ENE, **Cornel MARIN** - *CALCULUL ȘI CONSTRUCTIA MAȘINILOR VIBRATOARE*, Editura PRINTECH, București, 2009 ISBN 978-606-521-429-3
17. Viviana FILIP, **Cornel MARIN**, Lucian GRUIONU, Alexis NEGREA PROIECTAREA, MODELAREA, SIMULAREA SISTEMELOR MECANICE, UTILIZÂND SOLID-WORKS, COSMOS-MOTION ȘI COSMOS-WORKS, Editura Valahia University Press, Târgoviște 2009, ISBN 978-973-1955-05-6
18. **Cornel MARIN** - VIBRAȚII MECANICE. APLICAȚII. PROBLEME - Editura Bibliotheca Târgoviște, 2008, ISBN 978-973-712-397-8

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

Lucrări indexate ISI:

1. **Cornel MARIN**, Viviana FILIP, Alexandru MARIN - ALTERNATIVE ANALYTICAL METHOD USED FOR PLOTTING THE SHEAR FORCE AND BENDING MOMENT DIAGRAMS, TRANSLATIONS AND ROTATIONS DISTRIBUTIONS ON BEAMS SUBJECTED TO BENDING, Proceedings of International MultiConference of Engineers and Computer Scientists ICMES 2008, Hong Kong, 19-21 March 2008. Lecture Notes IMECS 2008, Volume II, ISBN 978-988-17012-1-3, pp 1629-1633
https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=20&SID=Q1wa7lx3wceC1Mc47Zq&page=1&doc=8
2. Viviana FILIP, **Cornel MARIN**, Alexandru MARIN - ADVANCED MATHEMATICAL MODEL OF THE MATERIAL POINT RELATIVE MOTION DYNAMICS, Proceedings of International MultiConference of Engineers and Computer Scientists ICMES 2008, Hong Kong, 19-21 March 2008. Lecture Notes IMECS 2008, Volume II, ISBN 978-988-17012-1-3, pp 1634-1637
https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=20&SID=Q1wa7lx3wceC1Mc47Zq&page=1&doc=9
3. **Cornel MARIN**, Viviana FILIP, Alexandru MARIN - ALTERNATIVE ANALYTICAL METHOD USED IN PLOTTING THE SHEAR FORCE AND BENDING MOMENT DIAGRAMS, DISPLACEMENTS AND ROTATIONS DISTRIBUTIONS FOR BEAMS SUBJECTED TO BENDING.

American Institute of Physics, , Melville New York, AIP Conference Proceedings 1089, 2009 ISBN: 978-0-7354-0622-3, ISSN 0094-243X

https://www.researchgate.net/publication/258352486_Alternative_Analytical_Method_Used_in_Plotting_the_Shear_Force_and_Bending_Moment_Diagrams_Displacements_and_Rotations_Distributions_for_Beams_Subjected_to_Bending

4. **Cornel MARIN**, Anton HADAR, Alexandru MARIN - STEP FUNCTION METHOD USED IN CALCULATING CONTINUOUS FOOTING FOUNDATION PLACED OF ELASTIC AND DISCRETE SOIL, Proceedings of The 19th INTERNATIONAL DAAAM Vienna SYMPOSIUM “Intelligent Manufacturing & Automation: Globalization – Technology – Men – Nature” DAAAM October 2008. Annals of DAAAM for 2008, ISSN 1726-9679, ISBN 978-3-901 509-68-1, pp.0793-0794
<http://www.daaam.com/daaam/Publications/Publications.htm>
5. Stefan GRIGORAS, Gina STOICA Anton HADAR, **Cornel MARIN**, Cristel STIRBU- THEORETICAL RESEARCH AND EXPERIMENTAL TESTS FOR A NEW VERSION OF TUBING AND CASING THREAD CONNECTION Proceedings of The 19th INTERNATIONAL DAAAM Vienna SYMPOSIUM “Intelligent Manufacturing & Automation: Globalization – Technology – Men – Nature” DAAAM October 2008. Annals of DAAAM for 2008, ISSN 1726-9679, ISBN 978-3-901 509-68-1, pp.0563-0564.
<http://www.daaam.com/daaam/Publications/Publications.htm>

Lucrări indexate în BDI

6. **Cornel MARIN, Daniela Amariutei - MATHEMATICAL MODELING AND NUMERICAL SIMULATION OF THE FUNCTIONING OF INERTIAL VIBRATING SCREENS IN RESONANT AND POST-RESONANT REGIME..** The Scientific Bulletin of VALAHIA University MATERIALS and MECHANICS –Vol. 16, No. 15 /2022. eISSN 2537-3161
7. **Cornel MARIN - MATRIX METHOD FOR CALCULATING THE REACTIONS OF THE ELASTIC SUPPORTS OF A CONTINUOUS BEAM SUBJECTED TO THE ACTION OF A LOAD TRAIN.** INTERNATIONAL JOURNAL OF MECHATRONICS AND APPLIED MECHANICS – **IJOMAM 8/2020**, ISSN 2559-4397.
8. **Cornel MARIN, Ion Florin POPA - DIRECT / REVERSE ANALOGY BETWEEN MECHANICAL SYSTEM AND RLC SERIES / PARALEL ALTERNATIVE CURRENT CIRCUITS – AC .** The Scientific Bulletin of VALAHIA University , MATERIALS and MECHANICS –**SBMM Vol. 17, Issue 14**, DOI 10.1515/bsmm-2019-0014.
9. **Cornel MARIN - THE FIRST AND SECOND-ORDER THEORY OF SHEARING AND COMPRESSION IN CASE OF THE BEAM FIXED AT ONE END AND SUPPORTED TO HELICAL SPRING AT THE OTHER END.** INTERNATIONAL JOURNAL OF MECHATRONICS AND APPLIED MECHANICS – **IJOMAM 5/2019**, ISSN 2559-4397, p288-295.
10. **Cornel Marin, Ionel Rusa - EXPERIMENTAL RESULTS OF TURBO-AGGREGATE VIBROACOUSTIC DIAGNOSIS OBTAINED WITH VIBRO-EXPERT SYSTEM FOR ONE TURBO AGGREGATE IN LUKOIL REFINERY,** INTERNATIONAL JOURNAL OF MECHATRONICS AND APPLIED MECHANICS – **IJOMAM 3/2018**, ISSN 2559-4397, p45-54.
11. Ionel RUSA, **Cornel MARIN, Marius BAIDOC - EXPERIMENTAL RESULTS OF VIBROACOUSTIC DIAGNOSIS PERFORMED WITH VIBRO-EXPERT SYSTEM** The Scientific Bulletin of VALAHIA University MATERIALS and MECHANICS **SBMM –Vol. 16, Issue 14/2018**, DOI 10.1515/bsmm-2018-0007, p.38-51.
12. Ionel RUSA¹ , **Cornel MARIN, Marius BAIDOC - CASE STUDY REGARDING MEASUREMENTS IMPLEMENTED WITH THE REPAIR ENTRY A HYDROGREGATE CAMPELA WITH VIBRO**

- EXPERT DIAGNOSIS SYSTEM. INTERNATIONAL JOURNAL OF MECHATRONICS AND APPLIED MECHANICS – **IJOMAM**, Nr. 1/2017, ISSN 2559-6497, p 145-153.
13. Vasile ANDREI, Cornel MARIN, Alexis NEGREA - THEORETICAL MODEL USED IN MONITORING THE LOSSES FROM WATER NETWORKS DUE TO WATER CONTROL MEASUREMENT BATTERIES . THE SCIENTIFIC BULLETIN OF VALAHIA UNIVERSITY. MATERIALS and MECHANICS – **SBMM Vol. 15, Issue 12/2017**, ISSN 1844-1076, ISSN 2537-3161 online, p. 55-61.
 14. Ionel RUSA, **Cornel MARIN**, Marius BAIDOC - NEW MEASUREMENTS RESULTS ACHIEVE FOR PROACTIVE MAINTENACE WITH VIBRO-EXPERT DIAGNOSIS SYSTEM. THE SCIENTIFIC BULLETIN OF VALAHIA UNIVERSITY. MATERIALS and MECHANICS – **SBMM Vol. 15, Issue 13, oct. 2017**, ISSN 1844-1076, ISSN 2537-3161 online, p. 53-67.
 15. **Cornel MARIN** - COMPARATIVE CALCULATION BY FIRST AND THE SECOND ORDER THEORY OF ONE BEAM SUBJECTED TO BENDING AND COMPRESSION, FIXED AT ONE END AND AT THE OTHER END SUPPORTED TO HELICAL SPRING . ROMANIAN REVIEW PRECISION MECHANICS, OPTICS & MECHATRONICS, **2016**, ISSN 1584-5982. Issue 50, p 142-149, ISSN e2247-8418.
 16. Mihai ZDRAFCU , **Cornel MARIN** - HUMAN INDUCED VIBRATION ON CONCRETE SLABS THAT SUPPORT HIGH PRECISION EQUIPMENT SENSITIVE TO VIBRATION. ROMANIAN REVIEW PRECISION MECHANICS, OPTICS & MECHATRONICS, **2016**, ISSN 1584-5982, Issue 50, p 150-155, ISSN e2247-8418.
 17. **Cornel MARIN** - SIMULATION OF STRESS AND DEFORMATION BEAM SUBJECTED TO BENDING AND COMPRESSION, FIXED AT ONE END AND AT THE OTHER END SUPPORTED TO HELICAL SPRING. ROMANIAN REVIEW PRECISION MECHANICS, OPTICS & MECHATRONICS, **2016**, Issue 50, p 168-175, ISSN e2247-8418.
 18. Ionel RUSA , **Cornel MARIN** - SOME EXPERIMENTAL RESULTS OF VIBROACOUSTICAL DIAGNOSIS FOR INDUSTRIAL EQUIPMENT IN LUKOIL REFINERY. ROMANIAN REVIEW PRECISION MECHANICS, OPTICS & MECHATRONICS, **2016**, Issue 50, p 176-185, ISSN e2247-8418.
 19. Ionel RUSA , Cornel MARIN - EXPERIMENTAL RESULTS OBTAINED IN A PROACTIVE MAINTENANCE OF INDUSTRIAL EQUIPMENT OPERATING IN LUKOIL REFINERY. THE SCIENTIFIC BULLETIN OF VALAHIA UNIVERSITY – MATERIALS AND MECHANICS – **SBMM Issue 11/2016**, ISSN 1844-1076 , pp. 59-68, ISSN 2537-3161 online.
 20. Cornel MARIN, Ionel RUSA, Mihai ZDRAFCU - SOME THEORETIC AND PRACTICAL ASPECTS REGARDING PASSIVE AND SEMI ACTIVE VIBRATION CONTROL . The Scientific Bulletin of VALAHIA University - MATERIALS and MECHANICS - **SBMM Issue 10/2015**, ISSN 1844-1076 pp.117-122.
 21. **Cornel MARIN**, Ionel RUSA, Mihai ZDRAFCU - SOME THEORETICAL ASPECTS REGARDING ACTIVE VIBRATION CONTROL. The Scientific Bulletin of VALAHIA University - MATERIALS and MECHANICS -**SBMM Issue 10/2015**, ISSN 1844-1076 pp. 149-153.
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