



Curriculum vitae Europass

Informații personale

Nume / Prenume

Adresă(e)

Telefon(oane)

Fax(uri)

E-mail(uri)

Naționalitate(-tăți)

Data nașterii

Sex

Locul de munca/ Aria ocupationala

Experiența profesională

Perioada

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

Perioada

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

Perioada

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

Educație și formare

Perioada

Calificarea / diploma obținută

Disciplinele principale studiate / competențe
profesionale dobândite

Numele și tipul instituției de învățământ /
furnizorului de formare

Nivelul în clasificarea națională sau
internațională

Perioada

Calificarea / diploma obținută

Disciplinele principale studiate / competențe
profesionale dobândite

Numele și tipul instituției de învățământ /
furnizorului de formare

Nivelul în clasificarea națională sau
internațională

Perioada

Calificarea / diploma obținută



Jenica Ileana Corcau

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Mobil: +40.0735.553569

jcorcau@elth.ucv.ro, jcorcau@yahoo.com

Romana

09.02.1975

Feminin

Universitatea din Craiova, Facultatea de Inginerie Electrica

01.10.2005 pana in prezent

Lector universitar

Activitati de predare si cercetare

Universitatea din Craiova, Facultatea de Inginerie Electrica, Departamentul de Inginerie Electrica, Energetica si Aerospatalia

Educatie si cercetare

01.10.2001 – 01.10.2005

Asistent universitar

Activitati de predare si cercetare

Universitatea din Craiova, Facultatea de Electrotehnica, Catedra de Avionica

Educatie si cercetare

01.10.1998 – 01.10.2001

Preparator universitar

Activitati de predare si cercetare

Universitatea din Craiova, Facultatea de Electrotehnica, Catedra de Avionica

Educatie si cercetare

Octombrie 2001 - Mai 2006 (forma de pregătire - fără frecvență)

Doctor in Domeniul Inginerie Aerospatalia, Diploma de Doctor, Seria E, nr. 0001371, Emisa de Ministerul Educatiei si Cercetarii din Romania in baza OMEC nr. 4871/07.08.2006. Eliberata de UPB cu nr. 121/18.09.2006

Titlul tezei: Sisteme evolute de comanda si control al proceselor din instalatiile electrice ale avioanelor

Universitatea Politehnica Bucuresti, Facultatea de Inginerie Aerospatalia, Str. Polizu, nr. 1, Bucuresti, Romania

Categoria I - Universitate de Cercetare Avansata si Educatie

1998-1999

Studii Aprofundate in Domeniul Inginerie Aerospatalia, Diploma de Studii Aprofundate, Seria D, nr. 0003134, Emisa de Ministerul Educatiei Nationale din Romania. Eliberata de UCV cu nr. 360/14.05.2001.

Sisteme complexe de stabilizare, navigatie si dirijare aerospatalia

Universitatea din Craiova, Facultatea de Inginerie Electrica

Categoria a II-a - Universitate de Educatie si Cercetare Stiintifica

1993-1998

Inginer in Domeniul Inginerie Aerospatalia, Diploma de Licenta, Seria R, nr. 0010591, Emisa de Ministerul Educatiei Nationale din Romania. Eliberata de UCV cu nr. 591/14.05.2001.

Disciplinele principale studiate / competențe profesionale dobândite

Numele și tipul instituției de învățământ / furnizorului de formare

Nivelul în clasificarea națională sau internațională

Aptitudini și competențe personale

Limba(i) maternă(e)

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

Engleza

Franceza

Domenii de competența științifică

Competențe și abilități sociale

Competențe și aptitudini organizatorice

Competențe și aptitudini tehnice

Competențe și aptitudini de utilizare a calculatorului
Membru în Asociații

Competențe și aptitudini artistice

Alte competențe și aptitudini

Permis(e) de conducere

Informații suplimentare

Adresa profilului de cercetare în baza de date națională

Membru în Asociații

Discipline predate

Specializarea absolvită: Echipamente și Instalații de Bord
Profilul: Aeronave

Universitatea din Craiova, Facultatea de Electrotehnică

Categoria a II-a - Universitate de Educație și Cercetare Științifică

Romana

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C1	Utilizator experimentat
B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

- Instalații electrice de bord;
- Sisteme de conversie a energiei electrice de la bordul aeronavelor;
- Radionavigație;
- Echipamente de bord cu prelucrare digitală.

Fire sociabilă, deschisă, ambițioasă, serioasă; rezultate excelente în cadrul muncii în echipă.

Spirit de echipă: am lucrat în diverse tipuri de echipe, de la echipe de cercetare la echipe de studenți. Abilități de comunicare: pot comunica la fel de bine cu persoane tinere cât și cu cercetători cu experiență. În calitate de director de proiect am organizat și condus activitatea din cadrul colectivelor de cercetare precum și pe cea de diseminare a rezultatelor științifice.

Cercetare fundamentală, cercetare aplicativă, proiectare asistată de calculator și optimizare, punere în funcțiune și service pentru instalațiile electrice de bord; mijloace de măsurare electrice și electronice specifice echipamentelor electrice de bord; circuite electrice pentru diverse aplicații;
Cercetare fundamentală, cercetare aplicativă, proiectare asistată de calculator, punere în funcțiune și service pentru controlul automat al sistemelor liniare și neliniare, în varianta clasică (control cu legi PID), sau utilizând logica fuzzy și neural networks

MATLAB, PASCAL, MULTISIM, MAPLE, MATHEMATICA, AUTOCAD, COREL, VISIO, HiQ, LabView

CASI (Canadian Aeronautics and Space Institute; DAAAM (Danube Adria Association for Automation & Manufacturing)

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B, din 2005

<http://www.cercetatori-romani.ro>

AAAR Asociația Aeronautică, Astronautică din România din 2008;
Asociația Română pt Propagandă și Istorie Aeronautică —Filiala Craiova (ARPIA);
Membra a centrului de cercetare CERTES (Cercetarea și testarea sistemelor electroenergetice și a sistemelor de stabilizare și navigație aerospațială).

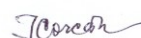
Evaluator granturi cercetare - Proiecte Complexe realizate în consorții CDI", competiția 2017 (PCCDI2017), anul 2017, UEFISCDI ID (UEF-ID): **U-1700-035A-5356**; Lecturer Senior PhD, UNIVERSITATEA DIN CRAIOVA, România

- Introducere în inginerie aerospațială;
- Echipamente de bord cu prelucrare digitală;
- Bazele radionavigației;
- Instalații electrice de bord I;
- Instalații electrice de bord II;
- Sisteme complexe de conversie a energiei electrice la bordul aeronavelor;
- Sisteme energetice hibride la bordul aeronavelor și rachetelor.

Recenzor Reviste ISI si BDI.	<ol style="list-style-type: none"> 1) <i>International Transactions on Electrical Energy Systems</i>; ISI Journal Citation Reports © Ranking: 2013: 183/248 (Engineering Electrical & Electronic); Online ISSN: 2050-7038; http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%292050-7038; 2) <i>Electric Power Components and Systems</i>; ISSN 1532-5008 (Print), 1532-5016 (Online); http://www.tandfonline.com/toc/uemp20/current; 3) <i>International Journal of Electronics</i>; http://www.tandfonline.com/toc/tetn20/current 4) <i>IET Generation, Transmission & Distribution</i>; Print ISSN 1350-2360; Online ISSN 1359-7051; http://digital-library.theiet.org/content/journals/ip-gtd; 5) <i>IET Electrical Systems in Transportation</i> - http://ieeexplore.ieee.org/ ISSN 2042-9738; 6) <i>Journal of Electrical and Electronics Engineering Research</i>, ISSN: 1993-8225; http://www.academicjournals.org/journal/JEEER ; 7) <i>Scientific Journals International (SJI)</i> - Electrical, Mechanical, Manufacturing and Aerospace Engineering, Published by GCCI, SUA, ISSN: 1556-6757; 8) <i>Canadian Aeronautics and Space Journal (CASI)</i>, ISSN 00082821; 9) <i>International Research Journal of Computer Science and Information Systems</i>, ISSN 2278 - 5612; 10) <i>JESTECH Engineering Science and Technology an International Journal</i>; https://www.evise.com;
Publicatii	<p>Scurta descriere: Participarea in 12 de granturi/proiecte de cercetare nationale (Anexa 1); 3 carti si 2 indrumare de laborator in edituri recunoscute CNCSIS; 4 capitole de carte publicate de DAAAM si InTech (edituri internationale); 107 articole stiintifice din care 41 lucrari indexate ISI Web (1 in jurnal ISI si 40 in ISI proceedings), 28 lucrari indexate in baze de date internationale recunoscute CNATDCU (7 in jurnale BDI si 21 in BDI proceedings) si 38 lucrari publicate in reviste sau proceedings-uri indexate in alte baze de date sau neindexate.</p> <p>Citari in reviste: 56 din care, 26 citari in reviste ISI si 30 de citari in alte baze de date.</p> <p>Indicele Hirsch: 4 (Scopus), 3 (Web of science), 7 (Google Scholar)</p>
Alte activități	<ul style="list-style-type: none"> - realizarea de platforme experimentale de laborator (peste 20 de lucrari de laborator) incluzand aici dezvoltarea sistemelor de studiat, dar si a platformelor pentru analiza real time a parametrilor electrici cu ajutorul cartelelor de achizitie si software-urilor dedicate; - am prezentat 35 de lucrări la conferințe de mare prestigiu din țară și străinătate; - conducerea a peste 55 proiecte de licenta si disertatie; - membra in cadrul comisiei pentru intocmirea dosarului de acreditare la specializarea „Echipamente si Instalatii de Aviatie” (2001, 2005, 2009, 2015) si a dosarului de acreditare a specializarii de master “Sisteme complexe pentru inginerie aerospaciala” (2009, 2013, 2018); - participant la activitatile de achizitie de echipamente de laborator pentru diferite discipline (intocmire liste de echipamente, urmarire desfasurare activitate de achizitii, receptie echipamente achizitionate) - secretar/membru al Comisiei de Inscrisere la Facultate – concurs de admitere facultate; - participante la redactarea a aproximativ 10 de propuneri de proiecte de cercetare la diferite competitii cum ar fi cele lansate de CNCSIS si PNCDI;
Anexe	<p>Anexa 1: Listă de lucrări</p> <p>Anexa 2: Listă contracte de cercetare</p>

19.05.2019

S.I.dr.ing. Jenica Ileana Corcau



Lista lucrari

Lista a 10 lucrari reprezentative

1. **Corcau J.**, Dinca L., Culcer M., Marin G. *Modeling and Simulation of Hybrid Power Source for Pseudo-Satellites*, **INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS, ELECTRICAL DRIVES, AUTOMATION AND MOTION (SPEEDAM)** pp. 1056-1061, ISBN: 978-1-5386-4940-4, Book Group Author(s):IEEE ; Book Series: International Power Electronics Electrical Drives Automation and Motion SPEEDAM 2018; Document Type: Proceedings Paper; Accession Number: **WOS:000445031300172** ; ISBN:978-1-5386-4941-1; **Impact factor: 0**
2. Dinca L., **Corcau J.**, Iliescu M., Marin G. *Main Parameters Quoting for Components of a Hybrid Power Source for HAPS*, **INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS, ELECTRICAL DRIVES, AUTOMATION AND MOTION (SPEEDAM)**, pp. 1062-1068, Book Group Author(s):IEEE book Series: International Power Electronics Electrical Drives Automation and Motion SPEEDAM; Document Type: Proceedings Paper SPEEDAM 2018; Accession Number: **WOS:000445031300173**; ISBN:978-1-5386-4941-1, Proceedings Paper, **Impact factor: 0**
3. Corcau, J.I., Dinca, L., Grigorie, T.L., Tudosie, A.N. *"Fuzzy Energy Management for Hybrid Fuel Cell/Battery Systems for More Electric Aircraft"*, 1st International Conference on Applied Mathematics and Computer Science (ICAMCS), Rome, Italy, 27-29 January, 2017, **Published in APPLIED MATHEMATICS AND COMPUTER SCIENCE, Book Series: AIP Conference Proceedings, Volume: 1836**, Article Number: UNSP 020056-1, Pages: 020056-1÷020056-8, DOI: 10.1063/1.4981996, Document Type: Proceedings Paper, Accession Number: **WOS:000409539000056**, ISBN:978-0-7354-1506-5, ISSN: 0094-243X. Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE 1N01, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**
4. Dinca L., **Corcau J.**, Grigorie L., Ureche E. *"Improved dc to dc Boost Converter Behavior by Using a Two Stage Voltage Conversion"* **INTERNATIONAL CONFERENCE ON ELECTRICAL DRIVES AND POWER ELECTRONICS (EDPE), The High Tatras, Slovakia, 21-23 sept, 2015**, Document Type: Proceedings Paper, Accession Number: **WOS:000380458300081**, ISBN 978-1-4673-9661-5, pp. 470-474; *Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA* **Impact factor: 0**
5. Corcau, J., Grigorie, T.L., Dinca, L., *"Simulation and analysis of a fuel cell/battery hybrid power supply for More-Electric Aircraft"*, 38th Annual Conference of the IEEE Industrial Electronics Society - IECON 2012, Montreal, Quebec, Canada, 25-28 October, 2012. **Published in 38TH ANNUAL CONFERENCE ON IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2012), Book Series: IEEE Industrial Electronics Society**, 2012, Pages: 5477-5481, Document Type: **Proceedings Paper**, Accession Number: **WOS:000316962905064**, ISBN:978-1-4673-2421-2, ISSN: 1553-572X, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA. **Impact factor: 0**
6. Dinca L., **Corcau J.** *A prototype for airflow speed control in a subsonic wind tunnel*, **IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE ,Volume: 29 Issue: 2 Pages: 14-21, DOI: 10.1109/MAES.2014.120131, FEB 2014**, Document Type: Article, Accession Number: **WOS:000334160000002**, ISSN 0885-8985, Publisher IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, 445 HOES LANE, PISCATAWAY, NJ 08855-4141 USA , pp. 14-21; **Impact factor 1,332**;
7. **Corcau J.**, Dinca L., Hurezeanu A. *Power Converters for a HAPS Power Source Model*. **14th INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY**, pp 5, **ISBN: 978-1-5386-3805-7** , October 4-6, 2018, Craiova, ROMANIA; DOI : **10.1109/ICATE.2018.8551372** ;
8. **Corcau J.**, Dinca L., Hurezeanu A. *Power Management on Board on HAPS*. **14th INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY**, **ISBN: 978-1-5386-3805-7**, pp.4, October 4-6, 2018, Craiova, ROMANIA; DOI : **10.1109/ICATE.2018.8551410** ;
9. Dinca L., **Corcău J.I.** Chapter 6 - **Applications of the fuzzy logic to the energy conversion systems on board of UAVs**. Intech 2017; ISBN 978-953-51-3390-2, Print ISBN 978-953-51-3389-6, Published: August 30, 2017, pp. 107-126; <http://www.intechopen.com/articles/show/title/applications-of-the-fuzzy-logic-to-the-energy-conversion-systems-on-board-of-uavs>;
10. Dinca L, **Corcau J.**, Ureche E. *Optimization of a dc to dc Boost Converter using Interleaved Command Technique*; **9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), 7-9 May 2015, Bucharest, Romania**, Document Type: Proceedings Paper, Accession Number: **WOS:000368159800121**, **Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA** ISBN 978-1-4799-7514-3, pp. 644-649; **Impact factor: 0**

Teza de doctorat

Titlul Tezei: „ Sisteme evaluate de comanda si control al proceselor din instalatiile electrice ale avioanelor”,

Anul susținerii: 2006. Instituția gazdă: Universitatea Politehnica București, Facultatea de Inginerie Aerospațială; Conducător de doctorat: Prof. dr. ing. Ioan ARON; Domeniul fundamental: Inginerie Aerospațială, Autovehicule și Transporturi, Domeniul de studii universitare de doctorat: Inginerie Aerospațială.

Carti

- C1. Corcău, J.I, Dinca L. Sisteme electrice de bord pentru "More Electric Aircraft". Editura SITECH, Craiova, Romania, 2014, ISBN: 978-606-11-4133-3, 290 pag.;
- C2. Dinca L., Corcău J.I. Mecanica si dinamica zborului avionului. Editura Universitaria, Craiova, 2018, ISBN : 978-606-14-1360-7, 335 pag.;
- C3. Corcău, J. I, Constantinache P. Sisteme de conversie a energiei electrice de la bordul aeronavelor. Editura SITECH, Craiova, Romania, 2007, ISBN: 978-973-746-579-5, 200 pag.;

Capitole de carti

- CC1. Dinca L., Corcău J.I. *Experimental identification of a servo-valve parameters used for an electro-hydraulic servo-actuator development*; Vol. 12, ISSN 1726-9687, ISBN: 978-3-901509-94-0, Chapter 49 in DAAAM International Scientific Book, pp. 813-830, Publisher DAAAM International Vienna, Vienna, 2013, DOI: 10.2507/daaam.scibook.2013.49;
- CC2. Dinca L., Corcău J.I. *Experimental development and numerical simulation of an electro-hydraulic servo-actuator*. Vol. 12, ISSN 1726-9687, ISBN: 978-3-901509-94-0, Chapter 50 in DAAAM International Scientific Book, pp. 831-848, Publisher DAAAM International Vienna, Vienna, 2013, DOI: 10.2507/daaam.scibook.2013.49;
- CC3. Corcau, J. I. & Dinca, L. *Numerical model and experimental tests for dc to dc boost converter*. DAAAM International Scientific Book 2015, ISBN: 978-3-902734-05-1, ISSN: 1726-9687, Published by DAAAM International Vienna, Vienna 2015; pp. 067-087;
- CC4. Dinca L., Corcău J.I. Chapter 6 - *Applications of the fuzzy logic to the energy conversion systems on board of UAVs*. Intech 2017; ISBN 978-953-51-3390-2, Print ISBN 978-953-51-3389-6, Published: August 30, 2017, pp. 107-126; <http://www.intechopen.com/articles/show/title/applications-of-the-fuzzy-logic-to-the-energy-conversion-systems-on-board-of-uavs>.

Îndrumare de laborator

- I1. Lungu R., Corcău J.I. Instalații electrice de bord. Lucrări practice. Editura SITECH, Craiova 2007, 165 pag., ISBN 978-973-746-464-4.
- I2. Lungu R., Dinca L., Corcău J.I. Echipamente si sisteme hidropneumatice de comanda pentru aeronave. Editura Universitaria, Craiova, 2013, 230 pag., ISBN 978-606-140-705-7;

I. Articole publicate în reviste indexate ISI Web si în proceedings indexate ISI Web

1. **Corcau J.**, Dinca L., Hurezeanu A. *Power Converters for a HAPS Power Source Model*. **14th INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY**, pp 5, ISBN: **978-1-5386-3805-7** , October 4-6, 2018, Craiova, ROMANIA; DOI : [10.1109/ICATE.2018.8551372](https://doi.org/10.1109/ICATE.2018.8551372);
2. **Corcau J.**, Dinca L., Hurezeanu A. *Power Management on Board on HAPS*. **14th INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY**, ISBN: **978-1-5386-3805-7**, pp.4, October 4-6, 2018, Craiova, ROMANIA ; DOI : [10.1109/ICATE.2018.8551410](https://doi.org/10.1109/ICATE.2018.8551410);
3. Cumpăn D, Dinca L, **Corcau J.**, *Study of Dynamic Stability a Cannard Configuration UAV*. **14th INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY**, ISBN: **978-1-5386-3805-7**, pp.6, October 4-6, 2018, Craiova, ROMANIA; DOI: [10.1109/ICATE.2018.8551468](https://doi.org/10.1109/ICATE.2018.8551468);
4. **Corcau J.**, Dinca L., Culcer M., Marin G. *Modeling and Simulation of Hybrid Power Source for Pseudo-Satellites*, **INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS, ELECTRICAL DRIVES, AUTOMATION AND MOTION (SPEEDAM)** pp. 1056-1061, ISBN: 978-1-5386-4940-4, Book Group Author(s):IEEE ; Book Series: International Power Electronics Electrical Drives Automation and Motion SPEEDAM 2018; Document Type:Proceedings Paper; Accession Number: **WOS:000445031300172** ; ISBN:978-1-5386-4941-1; **Impact factor: 0**
5. Dinca L., **Corcau J.**, Iliescu M., Marin G. *Main Parameters Quoting for Components of a Hybrid Power Source for HAPS*, **INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS, ELECTRICAL DRIVES, AUTOMATION AND MOTION (SPEEDAM)**, pp. 1062-1068, Book Group Author(s):IEEE book Series: International Power Electronics Electrical Drives Automation and Motion SPEEDAM; Document Type:Proceedings Paper SPEEDAM 2018; Accession Number: **WOS:000445031300173**; ISBN:978-1-5386-4941-1, Proceedings Paper, **Impact factor: 0**
6. Corcau, J.I., Dinca, L., Grigorie, T.L., Tudosie, A.N. "*Fuzzy Energy Management for Hybrid Fuel Cell/Battery Systems for More Electric Aircraft*", 1st International Conference on Applied Mathematics and Computer Science (ICAMCS), Rome, Italy, 27-29 January, 2017, **Published in APPLIED MATHEMATICS AND COMPUTER SCIENCE, Book Series: AIP Conference Proceedings, Volume: 1836**, Article Number: UNSP 020056-1, **Pages: 020056-1÷020056-8**, DOI: 10.1063/1.4981996, Document Type: **Proceedings Paper**, Accession Number: **WOS:000409539000056**, ISBN:978-0-7354-1506-5, ISSN: 0094-243X. Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**
7. Grigorie, T.L., Corcau, J.I., Tudosie, A.N. "*Identification and Compensation of the Temperature Influences in a Miniature Three-Axial Accelerometer Based on the Least Squares Method*", 1st International Conference on Applied Mathematics and Computer Science (ICAMCS), Rome, Italy, 27-29 January, 2017, **Published in APPLIED MATHEMATICS AND COMPUTER SCIENCE, Book Series: AIP Conference Proceedings, Volume: 1836**, Article Number: UNSP 020057-1, **Pages: 020057-1÷ 020057-8**, DOI: 10.1063/1.4981997, Document Type: **Proceedings Paper**, Accession Number: **WOS:000409539000057**, ISBN:978-0-7354-1506-5, ISSN: 0094-243X. Publisher: AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**

8. Grigorie, T.L., Gresita, C.I., Corcau, J.I., Dinca, L., Stancu, C.N. "*Temperature effects estimation and compensation in a miniature three-axial accelerometer by using fuzzy logic techniques*". 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June - 7 July 2016, **Published in NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE CONFERENCE PROCEEDINGS, SGEM 2016, VOL I, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, 2016, Pages: 337-344**, Document Type: **Proceedings Paper**, Accession Number: **WOS:000391648800044**, ISBN:978-619-7105-68-1, ISSN: 1314-2704, Publisher: STEF92 TECHNOLOGY LTD, 1 ANDREY LYAPCHEV BLVD, SOFIA, 1797, BULGARIA. **Impact factor: 0**
9. Dinca L., **Corcau J.**, Ureche E. *Mathematical Modeling for Buck Converter in Continuous Conduction Mode*. International Conference on Applied and Theoretical Electricity - ICATE 2016, 6-8 Oct. 2016, Craiova, Romania, **Published in 2016 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE), Book Series: International Conference on Applied and Theoretical Electricity, 2016, 6 pag.** Document Type: **Proceedings Paper**, Accession Number: **WOS:000390767500085** ISBN:978-1-4673-8562-6, ISSN: 2376-4163. Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA. **Impact factor: 0**
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13. Dinca L., **Corcău J.**, Grigorie T.L., Tudosie A. *Considerations concerning modeling, analysis and design of a dc –dc boost converter using Multisim*. Recent Advances in Robotics, Aeronautical and Mechanical Engineering. Proceedings of the 1 st International Conference on Aeronautical and Mechanical Engineering (AEME 13), Athens, Greece, May 14-16 2013, ISSN: 2227-4596, ISBN: 978-1-61804-185-2; pp. 201-206; **Conference Paper (British Library)**
14. Dinca L., **Corcău J.**, Grigorie T.L., Jula N., Mingireanu F. *Mathematical modeling and analysis of an electro-hydrostatic servo-actuator with brushless d.c. motor*. 14th International Conference on APPLIED COMPUTER SCIENCE (ACS '14); Cambridge, MA, USA January 29-31, 2014, ISBN: 978-960-474-363-6, pp. 157-163; **Conference Paper (British Library)**
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IV Articole publicate in reviste/proceedings neindexate

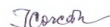
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37. Hiliuță, A., **Corcău, J.** *Determination of a vehicle position and statistical estimation of the navigation errors*. Rev. EEA, 2000, nr. 11-12, pag. 28- 31., ISSN 0376-4745
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S.I.dr.ing. Jenica Ileana Corcau



LISTĂ CONTRACTE DE CERCETARE

Contracte de cercetare câștigate în competiții naționale

1. **Sisteme, echipamente, tehnologii si tehnici avansate destinate cresterii gradului de protectie a infrastructurilor si obiectivelor de interes public si privat – AVPROT. Program PN-II – Parteneriate in domenii prioritare (2007 - 2010), Nr. 81 – 005/14.09.2007. Domeniu „Spatiu si securitate”. Coordonator SEECTRON. Director de proiect: Conf. dr. ing. Adrian Coman – Academia Tehnica Militara, Bucuresti. Valoare contract: 1.319.171 RON. Sursa de finatare: M.E.C.T.S. Functia in cadrul contractului:
Functia in cadrul contractului: Membru in colectivul de cercetare.**
2. **Servoactuatoarea hidrostatica pentru aeronave – SAHA. Program PN-II – Parteneriate in domenii prioritare (2007 - 2010), Nr. 81 – 036/14.09.2007. Domeniu „Spatiu si securitate”. Coordonator INCAS – Bucuresti. Director de proiect: Dr. Ursu Ioan. Valoare contract: 1.163.305 RON. Sursa de finatare: M.E.C.T.S. Functia in cadrul contractului:
Functia in cadrul contractului: Membru in colectivul de cercetare.**
3. **Sistem aerian multifunctional cu grad ridicat de autonomie pentru supravegherea calitatii mediului - SAMASCAM. Program: PN-II – Parteneriate in domenii prioritare (2008 - 2011). Nr. 82-072/12.09.2008. Domeniu „Spatiu si securitate”. Coordonator UCV – Craiova. Director de proiect: Prof. dr. ing. Romulus Lungu. Valoare contract: 2.000.000 RON. Sursa de finatare: M.E.C.T.S. Functia in cadrul contractului:
Functia in cadrul contractului: Membru in colectivul de cercetare.**
4. **Platforma aeriana pentru analiza calitatilor de zbor ale aeronavelor utilizand modele de similitudine si reducere la scara - PLATFUS. Program: PN-II – Parteneriate in domenii prioritare (2008-2011). Nr. 82-091/11.09.2008. Domeniu „Spatiu si securitate”, Coordonator INCAS – Bucuresti. Director de proiect: Dr. ing. Floriean Mihai. Valoare contract: 2.000.000 RON. Sursa de finatare: M.E.C.T.S.
Functia in cadrul contractului: Membru in colectivul de cercetare.**
5. **Studiul si implementarea unei solutii tehnologice pentru imbunatatirea eficientei energetice, a sigurantei si securitatii in transportul electric urban. Program PN-II – Parteneriate in domenii prioritare (2007 – 2010). Coordonator UCV – Craiova. Director de proiect : Prof. dr. ing. Petre Marian Nicolae. Valoare contract 452.008 Euro.
Functia in cadrul contractului: Membru in colectivul de cercetare.**
6. **Arhitecturi moderne pentru controlul aterizarii aeronavelor. Programul PN II – Tinere Echipe – 2015-2017. Coordonator: Universitatea din Craiova. Valoare contract: 521.695.000 RON. Sursa de finatare: UEFISCDI (Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării).
Functia in cadrul contractului: Cercetator postdoctoral.**
7. **Micro si nano senzori inteligenti, de precizie ridicata, pentru aplicatii spatiale de navigatie inertiala (SMARTSENSE) - (2012-2015). Director de proiect: Grigorie Teodor Lucian. Proiect nr. 27/19.11.2012 (cod 168). Programul de Cercetare-Dezvoltare-Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR al Agentiei Spatiale Romane (ROSA) in colaborare cu Agentia Spatiale Europeana (ESA). Coordonator: UCV – Craiova. Valoare contract: 799.989 RON. Director de proiect: Conf. dr. ing. Grigorie Lucian. Sursa de finatare: Ministerul Educatiei și ESA.
Functia in cadrul contractului: Membru in colectivul de cercetare.**

8. Sistem de tractiune inteligent, eficient energetic pentru noi generatii de masini feroviare usore (TRAC-IEE). Autoritatea Națională pentru Cercetare Științifică și Inovare (ANCSI). ctr.nr. 59/05.09.2016. 2016-2021. Coordonator: Universitatea din Craiova. Director Proiect: Prof.dr.ing. Sorin Enache. Valoare contract: 8.159.917 RON
Funcția în cadrul contractului: Membru în colectivul de cercetare.
9. Cercetari în vederea implementării unui sistem de mentenanță avansată pentru industria de automobile în scopul creșterii gradului de competitivitate. 2014-2015. Coordonator: Universitatea din Craiova. Valoare contract: 732.760 RON Director Proiect: Prof.dr.ing. Lucian Mandache. Sursa de finanțare: Ministerul Fondurilor Europene-AMPOSCCE.
Funcția în cadrul contractului: Membru în colectivul de cercetare.
10. Micro LAuncher based on DEtonation Engine (MILADEE) – (STAR). Programul de Cercetare - Dezvoltare - Inovare - Tehnologie Spațială și Cercetare Avansată – STAR în colaborare cu ESA (European Space Agency) – 2017-2019. Responsabil din partea Universității din Craiova: Conf.dr.ing. Alexandru Nicolae Tudosie. Valoare contract: 1.000.000 RON
Funcția în cadrul contractului: Membru în colectivul de cercetare.
11. Proiect educațional ROSE, „ Am ales FIE-ramam, (FIE-R). Grant 24/SGU/NC/1 din 16.10.2017. Coordonator Universitatea din Craiova. 2017-2019. Director proiect: Prof.dr.ing. Ivanov Sergiu.
Funcția în cadrul proiectului: (Tutore).
12. Hybrid power source for pseudo-satellites (HYPOPS). Contract Nr. 155/20.07.2017. Programul de Cercetare-Dezvoltare-Inovare pentru Tehnologie Spațială și Cercetare Avansată - STAR Competiția pentru proiecte C3 - 2016 Proiecte tip "CDI". Autoritatea Contractantă: Agenția Spațială Română (ROSA). Durata proiect: 17 luni. Coordonator Universitatea din Craiova; P1 National R&D Institute for Cryogenics and Isotopic Technologies ICIT Rm. Valcea; P2 SC NANOM-MEMS S.R.L. Director Proiect: S.I. dr.ing. Jenica Ileana Corcau. Valoarea contractului: 686.000 lei.
Funcția în cadrul contractului: Director Proiect.

19.05.2019

S.I.dr.ing. Jenica Ileana Corcau

