

Curriculum vitae



Curriculum vitae
Europass



Informații personale

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Naționalitate(-tăți)

română

Data nașterii

1 [REDACTED]

Sex

masculin

Domeniul ocupațional

Învățământ superior

Experiența profesională

Perioada

2023-prezent

Funcția sau postul ocupat	Membru în Consiliul Director, Profesor universitar, aprobat în ședința Senatului Universității Româno-Americane din data de 14.03.2023
Activități și responsabilități principale	- Asigurarea unui cadru suplimentar de colaborare științifică între cercetătorii din domeniile de interes ale centrului. - Dezvoltarea și întreținerea unor colective de cercetare interdisciplinară, în colaborare cu alte centre din cadrul universității, precum și din alte instituții naționale sau internaționale. - Identificarea și implementarea de colaborări cu firme comerciale în vederea valorificării potențialului de cercetare-dezvoltare. - Modernizarea activităților și infrastructurii laboratoarelor de cercetare-dezvoltare din cadrul universității. - Scriere, depunerea și implementarea de programe de cercetare (granturi), în cadrul competițiilor de profil la nivel național și internațional. - Sprijinirea dezvoltării școlii doctorale a universității, prin sprijinirea temelor ce vor fi derulate la acest nivel și prin atragerea de doctoranzi/cercetători pe teme de interes pentru CSMI. - Organizarea de seminare/evenimente științifice pentru pregătirea studenților și personalului universității. - Diseminarea la nivel național și internațional a rezultatelor cercetărilor științifice. - Organizarea de cercuri științifice studențești. - Activități de editare de cărți/materiale de profil, reviste sau buletine de informare.
Numele și adresa angajatorului	CSMI - Centrul de Cercetare a Creierului, Percepției și Învățare Automată, Universitatea Romano-Americana, Facultatea de Informatica Manageriala, Bd. Expoziției Nr.1B, Sector 1, cod 012101
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	Director General (24 Aprilie 2017 – prezent), Profesor universitar (25 Februarie 2019 – prezent)
Funcția sau postul ocupat	Director General, Profesor universitar
Activități și responsabilități principale	Coordonarea activității de cercetare, consultanță și instruire în Informatică Economică și Tehnologia Informației
Numele și adresa angajatorului	INFORTIS – Centrul de Cercetare, Consultanța și Pregătire în Informatica Economica și Tehnologia Informației, Universitatea Romano-Americana, Facultatea de Informatica Manageriala, Bd. Expoziției Nr.1B, Sector 1, cod 012101

Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	25 Februarie 2019 - prezent
Funcția sau postul ocupat	Profesor universitar
Activități și responsabilități principale	Activitate didactică și de cercetare
Numele și adresa angajatorului	Facultatea de Informatică Managerială, Universitatea Româno – Americană din București, Bd. Expoziției, Nr.1B, Sector 1, cod 012101, București – România, http://www.rau.ro/
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	27 Februarie 2017 – 24 Februarie 2019
Funcția sau postul ocupat	Conferențiar universitar
Activități și responsabilități principale	Activitate didactică și de cercetare
Numele și adresa angajatorului	Facultatea de Informatică Managerială, Universitatea Româno – Americană din București, Bd. Expoziției, Nr.1B, Sector 1, cod 012101, București – România, http://www.rau.ro/
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	1 Octombrie 2014 – 26 Februarie 2017
Funcția sau postul ocupat	Lector universitar
Activități și responsabilități principale	Activitate didactică și de cercetare
Numele și adresa angajatorului	Facultatea de Informatică Managerială, Universitatea Româno – Americană din București, Bd. Expoziției, Nr.1B, Sector 1, cod 012101, București – România, http://www.rau.ro/
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	1 Februarie 2008 – 30 Septembrie 2014
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Activitate didactică și de cercetare

Numele și adresa angajatorului	Facultatea de Informatică Managerială, Universitatea Româno – Americană din București, Bd. Expoziției, Nr.1B, Sector 1, cod 012101, București – România, http://www.rau.ro/
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	11 Octombrie 2005 – 31 Ianuarie 2008
Funcția sau postul ocupat	Preparator universitar
Activități și responsabilități principale	Activitate didactică și de cercetare
Numele și adresa angajatorului	Facultatea de Informatică Managerială, Universitatea Româno – Americană din București, Bd. Expoziției, Nr.1B, Sector 1, cod 012101, București – România, http://www.rau.ro/
Tipul activității sau sectorul de activitate	Învățământ superior
Perioada	11 Decembrie 2001 - 1 Septembrie 2005
Funcția sau postul ocupat	Specialist IT
Activități și responsabilități principale	Activitate de gestiune și exploatare a mijloacelor de calcul
Numele și adresa angajatorului	SC Cavepax SRL, Bd. Regina Elisabeta nr.16, Sector 3, București, România
Tipul activității sau sectorul de activitate	Tehnologia informației (IT)

Educație și formare

Perioada	07.06.2016
Calificarea / diploma obținută	Drept de conducere de doctorat în domeniul Informatică Economică
Disciplinele studiate / competențe profesionale dobândite	Abilitat în domeniul de studii universitare de doctorat Informatică Economică / Atestat de Abilitare în domeniul de studii universitare de doctorat Informatică Economică, acordat prin Ordinul 4045/ 07.06.2016 al Ministrului Educației Naționale și Cercetării Științifice
Numele și tipul instituției de învățământ / furnizorului de formare	Academia de Studii Economice din București, Școala Doctorală de Informatică Economică
Nivelul în clasificarea națională sau internațională	ISCED 8
Perioada	2009-2012

Calificarea / diploma obținută	Doctor în Informatică Economică / Diplomă de Doctor
Disciplinele principale studiate / competențe profesionale dobândite	Conform programei Școlii Doctorale de Informatică Economică
Numele și tipul instituției de învățământ / furnizorului de formare	Academia de Studii Economice din București, Școala Doctorală de Informatică Economică
Nivelul în clasificarea națională sau internațională	ISCED 8
Perioada	2007-2008
Calificarea / diploma obținută	Absolvent al Studiilor Postuniversitare de Formare Psihopedagogică / Diplomă de absolvire
Disciplinele principale studiate / competențe profesionale dobândite	Logică, Psihologie Educațională, Pedagogie, Metodică, Sociologia Educației, Practică pedagogică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Tehnică de Construcții București, Departamentul Pentru Pregătirea Personalului Didactic
Nivelul în clasificarea națională sau internațională	ISCED 7
Perioada	2005-2007
Calificarea / diploma obținută	Master în Informatică Economică/ Diplomă
Disciplinele principale studiate / competențe profesionale dobândite	Sisteme suport de decizie, Managementul calității software, Managementul strategic, E-business și software aplicativ, Managementul bazelor de date și tehnologii de preluare a datelor, Metodologii de realizare a proiectelor directe de informatizare a IMM-urilor, Tehnologii, structuri și managementul rețelelor de calculatoare, Proiectarea, realizarea și dezvoltarea aplicațiilor client-server, Managementul sistemelor informatice complexe, Legislația și securitatea sistemelor informatice
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Româno – Americană din București, Departamentul Învățământ Postuniversitar Masterat
Nivelul în clasificarea națională sau internațională	ISCED 7
Perioada	2001-2005
Calificarea / diploma obținută	Economist Licențiat/ Diplomă

Disciplinele principale studiate / competențe profesionale dobândite

Economie, Finanțe, Arhitectura calculatoarelor și sisteme de operare, Birotică și telematică, Algebră și analiză matematică, Algoritmi de calcul și bazele programării, Drept, Contabilitate, Limba engleză și tehnici de comunicare, Grafică și multimedia, Limbaje de programare, Eficiența investițiilor, Calculul probabilităților, Statistică teoretică și economică, Limba engleză, Metode numerice, Programarea aplicațiilor web, Baze de date I, Practică, Marketing, Proiectare sisteme informatice, Baze de date II, Managementul firmei, Cercetări operaționale, Proiectare orientată obiect, Limbajul de programare JAVA, Analiză economico-financiară, Modelarea și simularea proceselor economice, Clinici de specialitate, S.G.B.D. Oracle – SQL, Sisteme informatice aplicate în economie, Rețele de calculatoare și Internet, Management strategic, Sisteme expert, Ingineria programării, Limbaje evolute de programare, Aplicații multimedia, Proiecte informatice

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea Româno – Americană din București, Facultatea de Informatică Managerială

Nivelul în clasificarea națională sau internațională

ISCED 6

Perioada

1997-2001

Calificarea / diploma obținută

Absolvent de liceu/ Diplomă de bacalaureat

Disciplinele principale studiate / competențe profesionale dobândite

Conform programei școlare.

Numele și tipul instituției de învățământ / furnizorului de formare

Liceul Emil Racoviță, București

Nivelul în clasificarea națională sau internațională

ISCED 3

Aptitudini și competențe personale

Limba maternă

română

Limbi străine cunoscute

Autoevaluare

Nivel european ()*

Înțelegere		Vorbire		Scriere
Ascultare	Citare	Participare la conversație	Discurs oral	Exprimare scrisă

Limba Engleză	C2	C2	C2	C2	C2
Profil de cunoaștere a limbii engleze conform certificării BULATS: C2, cu punctajul (overall score): 97 din 100					
Limba Franceză	B2	B2	B2	B2	B2
<i>(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine</i>					
Competențe și abilități sociale	Spirit de lucru în echipă; o bună capacitate de comunicare chiar și în medii multiculturale sau multilingvistice. Aceste aptitudini au fost dobândite în anii petrecuți în sfera cercetării și învățământului universitar.				
Competențe și aptitudini organizatorice	Spirit de conducere, spirit organizatoric, experiență în management de proiect/echipă. Din data de 24 aprilie 2017 și până în prezent mă ocup, în calitatea mea de Director General, de coordonarea activității de cercetare, consultanță și instruire în cadrul Centrului de Cercetare, Consultanță și Pregătire în Informatică Economică și Tehnologia Informației (INFORTIS), din Universitatea Româno-Americană, Facultatea de Informatică Managerială, Bd. Expoziției Nr.1B, Sector 1, cod 012101.				
Competențe și aptitudini de utilizare a calculatorului	• Procesarea informației – Utilizator experimentat • Comunicare – Utilizator experimentat • Creare de conținut – Utilizator experimentat • Securitate – Utilizator experimentat • Rezolvarea de probleme – Utilizator experimentat • Alte competențe informatice: Windows; Word; Excel; PowerPoint; Sisteme de gestiune a bazelor de date (Oracle, SQL Server); Inteligență artificială (MATLAB); Sisteme de procesare paralelă (CUDA, Tehnologii Grid); Limbaje de programare (CUDA-C, C#, C++, Java); Sisteme expert				
Permis(e) de conducere	Permis categoria B.				
Informații suplimentare	✓ 2025 - Diplomă de Excelență acordată în data de 4 Octombrie 2024 de către Universitatea Româno-Americană din București, prin Domnul Rector Prof. univ. dr. habil. Costel Negricea, pentru contribuția științifică deosebită adusă la dezvoltarea comunității academice a Universității Româno-Americane				

- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Energy Informatics" Journal, Springer Nature, acordat în data de 10.02.2025
- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Discover Sustainability" Journal, Springer Nature, acordat în data de 14.02.2025
- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Sustainable Energy Technologies and Assessments" Journal, Elsevier, acordat în data de 17.02.2025
- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Artificial Intelligence Review" Journal, Springer Nature, acordat în data de 19.02.2025
- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Multiscale and Multidisciplinary Modeling, Experiments and Design" Journal, Springer Nature, acordat în data de 21.02.2025
- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Network: Computation in Neural Systems" Journal, Taylor & Francis, Routledge and Dove Medical Press, acordat în data de 25.02.2025
- ✓ 2025 - Scientific Reviewer Award in Recognition of the Scientific Activity conducted for the "Smart Grids and Sustainable Energy" Journal, Springer Nature, acordat în data de 27.02.2025
- ✓ 2024 - Premiul Recenzentului în semn de recunoaștere a activității științifice desfășurate pentru „Journal of Infrastructure, Policy and Development”, Enpress Publisher LLC, Statul California, acordat la 15 mai 2024.
- ✓ 2024 - Premiera rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2024 pentru publicarea articolului: Tracing the Influence of Large Language Models across the Most Impactful Scientific Works, Electronics Vol. 12, no. 24: 4957, 2023, ISSN: 2079-9292, Q2
- ✓ 2024 - Diplomă de Excelență acordată în data de 4 octombrie 2024, de către Universitatea Româno-Americană din București prin Rectorul Prof. Univ. dr. Habil. Costel Negricea, pentru contribuția științifică remarcabilă adusă la dezvoltarea comunității academice a Universității Româno-Americane.
- ✓ 2023 - Diplomă de Excelență acordată în data de 5 octombrie 2023, de către Universitatea Româno-Americană din București prin Rectorul Prof. Univ. dr. Habil. Costel Negricea, pentru contribuția științifică remarcabilă adusă la dezvoltarea comunității academice a Universității Româno-Americane.
- ✓ 2022 - Premiera rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2022 pentru publicarea

- articolului: *A Cost-Benefit Approach for Analysing the Impact of eCall Technology on the EU Passenger Vehicles*, Engineering Economics, Vol. 33. No. 2, **2022**, ISSN: 1392-2785, indexed Clarivate Analytics Web of Science (ISI Thomson Reuters), Q2
- ✓ 2022 - Premiul rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2021 pentru publicarea articolului: *E-Commerce Sales Revenues Forecasting by Means of Dynamically Designing, Developing and Validating a Directed Acyclic Graph (DAG) Network for Deep Learning*, Electronics 11, no. 18: 2940, 2022, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters) cu factor de impact 2021: 2,690, scor absolut de influență AIS = 0,350, Q3, Accession Number WOS:000858214700001
 - ✓ 2021 - Premiul rezultatelor cercetării - Premiu acordat de Ministerul Educației Naționale prin Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), în anul 2021 pentru publicarea articolului: *Electricity Consumption Forecasting Based on a Bidirectional Long-Short-Term Memory Artificial Neural Network*, Sustainability 2021, 13, no. 1: 104, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
 - ✓ 2021 - Premiul rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2021 pentru publicarea articolului: *An Analysis of the Socio-Economic and Human Life Impact of Implementing the eCall In Vehicle System (IVS) in the Purpose of Ensuring Sustainable, Improved Rescue Operations on European Roads*, Sustainability 2020, 12, no. 13: 5341, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
 - ✓ 2021 - Premiul rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2021 pentru publicarea articolului: *Applying the Technology Acceptance Model to Assess the Intention to Use an Aftermarket eCall Based on 112 Device for Passenger Vehicles to Ensure Sustainable Rescue Operations on European Roads*, Sustainability 2020, 12, no. 22: 9488, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
 - ✓ 2021 - Premiul rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2021 pentru publicarea articolului: *Electricity Consumption Forecasting Based on a Bidirectional Long-Short-Term Memory Artificial Neural Network*, Sustainability 2021, 13, no. 1: 104, indexată Clarivate
- 2021 - Premiul rezultatelor activității de cercetare științifică, Premiu acordat de Ministerul Educației Naționale prin Unitatea

- Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), pentru articolul: *An Analysis of the Socio-Economic and Human Life Impact of Implementing the eCall In Vehicle System (IVS) in the Purpose of Ensuring Sustainable, Improved Rescue Operations on European Roads, Sustainability* 2020, 12, no. 13: 5341, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
- ✓ Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
 - ✓ 2021 - Premiul rezultatelor activității de cercetare științifică, Premiu acordat de Ministerul Educației Naționale prin Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), pentru articolul: *Applying the Technology Acceptance Model to Assess the Intention to Use an Aftermarket eCall Based on 112 Device for Passenger Vehicles to Ensure Sustainable Rescue Operations on European Roads, Sustainability* 2020, 12, no. 22: 9488, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
 - ✓ 2020 - Top Reviewer Award acordat de grupul editorial Multidisciplinary Digital Publishing Institute (MDPI), ca apreciere a contribuției remarcabile la calitatea revistelor MDPI în 2019.
 - ✓ 2019 - Premiu acordat de CLARIVATE ANALYTICS PUBLONS Peer Review Award 2019 – pentru clasarea în Topul celor mai buni 1% recenzori în domeniul CROSS FIELD
 - ✓ 2019 - Premiu acordat de CLARIVATE ANALYTICS PUBLONS Peer Review Award 2019 – pentru clasarea în Topul celor mai buni 1% recenzori în domeniul ENVIRONMENT AND ECOLOGY
 - ✓ 2019 - Premiul rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2019 pentru publicarea articolului: *A Review of the Recent Developments in Integrating Machine Learning Models with Sensor Devices in the Smart Buildings Sector with a View to Attaining Enhanced Sensing, Energy Efficiency, and Optimal Building Management, Energies*, Vol. 12, Nr. 24, 2019, ISSN 1996-1073
 - ✓ 2019 - Premiul rezultatelor cercetării - Premiu acordat de către Universitatea Româno-Americană în anul 2019 pentru publicarea articolului: *Designing, Developing, and Implementing a Forecasting Method for the Produced and Consumed Electricity in the Case of Small Wind Farms Situated on Quite Complex Hilly Terrain. Energies* 2018, 11, 2623, indexat Clarivate Analytics Web of Science (ISI Thomson Reuters), Q2.
 - ✓ 2019 - Premiul rezultatelor activității de cercetare științifică, Premiu acordat de Ministerul Educației Naționale prin Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), pentru articolul: *Designing,*

- Developing, and Implementing a Forecasting Method for the Produced and Consumed Electricity in the Case of Small Wind Farms Situated on Quite Complex Hilly Terrain. *Energies* 2018, *11*, 2623, indexed Clarivate Analytics Web of Science (ISI Thomson Reuters), Q2.
- ✓ 2018 - Premiu acordat de CLARIVATE ANALYTICS PUBLONS Peer Review Award 2018 – pentru clasarea în Topul celor mai buni 1% recenzori în domeniul ENGINEERING
 - ✓ 2018 - Premiu acordat de CLARIVATE ANALYTICS PUBLONS Peer Review Award 2018 – pentru clasarea în Topul celor mai buni 1% recenzori în domeniul MULTIDISCIPLINARY
 - ✓ 2018 – Premiul rezultatelor activității de cercetare științifică, Premiu acordat de Ministerul Educației Naționale prin Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), pentru articolul: Analyses of Distributed Generation and Storage Effect on the Electricity Consumption Curve in the Smart Grid Context. *Sustainability* 2018, *10*, 2264, cuartila Q2.
 - ✓ 2018 – Premiul rezultatelor activității de cercetare științifică, Premiu acordat de Ministerul Educației Naționale prin Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), pentru articolul: Developing a Mixed Neural Network Approach to Forecast the Residential Electricity Consumption Based on Sensor Recorded Data. *Sensors* 2018, *18*, 1443, indexat Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q1.
 - ✓ 2018 – Premiul rezultatelor activității de cercetare științifică, Premiu acordat de Ministerul Educației Naționale prin Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), pentru articolul: Devising Hourly Forecasting Solutions Regarding Electricity Consumption in the Case of Commercial Center Type Consumers, *Energies* 2017, *11*: 1727, ISSN 1996-1073, indexat Clarivate Analytics Web of Science (ISI Thomson Reuters), cuartila Q2.
 - ✓ 2008 - Premiul rezultatelor cercetării științifice, Premiu acordat de Ministerul Educației, Cercetării, Tineretului și Sportului pentru articolul: WebAgeing – A Flexible System for Personalized Accessing of Services for Ageing Population, International Journal Of Computers Communications & Control ICCCC, Vol. III – Supplimentary Issue 2008, pg. 408-413, ISSN 1841-9836, indexată Clarivate Analytics Web of Science (ISI Thomson Reuters) și în bazele de date internaționale: Scopus, EBSCO, Copernicus, CCSB, DOAJ, SCPIO.

- ✓ 2005 – Diplomă de Merit pentru activitate academică remarcabilă în cadrul Facultății de Informatică Managerială, acordată de Universitatea Româno-Americană.
- ✓ 2005 – Diplomă de Excelență pentru Absolvirea Studiilor Universitare de Licență, acordată de Universitatea Româno-Americană.

Experiența acumulată (inclusiv experiența managerială) în proiecte de cercetare naționale/ internaționale:

- responsabil de proiect internațional:
 - ✓ conform contractului "SAFE AGREEMENT No INEA/CEF/TRAN/M2018/1798161" din data de 08.06.2019
- responsabil de proiect național:
 - ✓ Contract de cercetare: "Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile", Program finanțator: PNCDI II Parteneriate, Număr Contract: PN-II-PT-PCCA-2013-4-0996, Perioada competiție: 2013, An contractare: 2014, An finalizare: 2017, valoare contractată: 1150000 RON, Organizație Finanțatoare: UEFISCDI, Beneficiar: Ministerul Educației, Cercetării, Tineretului și Sportului și UEFISCDI, Coordonator: Academia de Studii Economice din București (responsabil din anul 2017)
- membru în echipa de cercetare a unor proiecte internaționale:
 - ✓ conform contractului "SAFE AGREEMENT No INEA/CEF/TRAN/M2018/1798161" începând cu data de 30.10.2019
 - ✓ "FUPOL – Future Policy Modeling, ICT Solutions for governance and policy modelling, finanțat prin programul FP7 al Comisiei Europene", ICT-2011.5.6, 01.10.2011-2015, valoare contractată: 9000000 EUR
- membru în echipa de cercetare a 8 proiecte naționale:
 - ✓ Contract de cercetare: "Soluții informatice pentru analiza și optimizarea consumului de energie electrică în rețele inteligente", BRIDGE PN-III-P2-2.1-BG-2016-0286, Buget Total 450.000 (RON), Organizație Finanțatoare: UEFISCDI, Beneficiar: Ministerul Educației, Cercetării, Tineretului și Sportului și UEFISCDI, Instituție Coordonatoare Academia de Studii Economice din București
 - ✓ Contract de cercetare: "Coordonarea politicilor monetare și macroprudențiale", PN-II-RU-TE-2014-4-2499, valoare contractată 550.000 (RON), Organizație Finanțatoare: UEFISCDI, Beneficiar: Ministerul Educației, Cercetării, Tineretului și

Sportului și UEFISCDI, Coordonator: Universitatea Româno-Americană

- ✓ Contract de cercetare: "Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile", Program finanțator: PNCDI II Parteneriate, Număr Contract: PN-II-PT-PCCA-2013-4-0996, Perioada competiție: 2013, An contractare: 2014, An finalizare: 2017, valoare contractată: 1150000 RON, Organizație Finanțatoare: UEFISCDI, Beneficiar: Ministerul Educației, Cercetării, Tineretului și Sportului și UEFISCDI, Coordonator: Academia de Studii Economice din București (membru până în anul 2016, responsabil din anul 2017)
- ✓ Contract de cercetare: "Sistem informatic integrat, bazat pe inteligența artificială, pentru examinarea cererilor de brevet de invenție PNCDI II – EXAMBREV – Nr. 11-076/2007-2010", valoare contractată: 300.000 (RON)
- ✓ Contract de cercetare: "Sistem flexibil pentru accesarea personalizată a serviciilor destinate persoanelor vârstnice - WebAgeing – PNCDI II – Nr.11013/2007-2010", valoare contractată: 300000 (RON)
- ✓ Contract de cercetare: "Rețea de cercetare multidisciplinară pentru eficientizarea procesului de dializă renală prin monitorizare cu un sistem informatic complex – MONDIAL - Nr. 583/27.07.2006-2008", valoare contractată: 300000 (RON)
- ✓ Contract de cercetare: "Sistem informatic integrat județean/regional bazat pe interconectarea instituțiilor publice și destinat furnizării de servicii electronice către cetățeni și către mediul de afaceri - CEEEX Nr. 123.3/20.07.2006-2008", valoare contractată: 160000 (RON)
- ✓ Contract de cercetare: "Sistem informatic integrat pentru identificarea, evaluarea, planificarea și gestionarea fondului național de plante medicinale, aromatice și tinctoriale (surse de materii prime pentru industria alimentară, farmaceutică și cosmetică)- SECTORIAL MedC – Nr. 11.6/06.2006-2008", valoare contractată: 100000 (RON)
- membru în echipa de lucru a unui proiect de tip POSDRU:
 - ✓ Contract de tip POSDRU: "Școala Practică: Inovare în învățământul superior și succes pe piața muncii, Program finanțator: POSDRU, Număr Contract: POSDRU/156/1.2/G/132920", Perioada competiție: 2014, an contractare: 2014, an finalizare: 2015, valoare contractată: 2099616.11 (RON), Organizație Finanțatoare: OIPOS DRU MEN

Alte mențiuni

- Teza de abilitare: Soluții cu spectru larg de aplicabilitate în domeniul Informaticii Economice (2016)
- Teza de doctorat: Soluții de optimizare a procesării datelor (2012)

Activitate științifică și publicistică:

- Cărți și capitole de cărți publicate în edituri recunoscute naționale și/sau internaționale: 25
- Suport de curs/laborator în format electronic: 31
- Articole/studii publicate in extenso în reviste de specialitate de circulație internațională (reviste indexate Clarivate Analytics Web of Science (ISI Thomson Reuters) sau indexate în baze de date internaționale specifice domeniului): 63
- Lucrări publicate în reviste și volume de conferințe cu referenți: 18
- Modele, prototipuri, normative, proceduri, planuri, metode: 6
- Produse, tehnologii, studii si servicii: 4
- Brevete de invenție: 1 cerere de brevet de invenție depusă la OSIM
- Citări ale lucrărilor proprii în literatura de specialitate: au fost identificate peste 400 de citări în literatura de specialitate, în reviste indexate Clarivate Analytics Web of Science cu factor de impact nenul ($IF > 0$), scor relativ de influență (SRI), scor de influență al articolului (AIS), sau articole indexate BDI, în volume ale unor conferințe internaționale, volume indexate Clarivate Analytics Web of Science (ISI Thomson Reuters Proceedings), cărți, reviste online, lucrări de disertație și teze de doctorat din străinătate.

Membru al asociațiilor profesionale:

- Association for Computing Machinery (ACM)
- Institute of Electrical and Electronics Engineers Standards Association (IEEE)
- Association for Information and Image Management (AIIM)
- Danube Adria Association for Automation & Manufacturing (DAAAM)
- International Association of Engineers (IAENG)
- International Association of Risk and Compliance Professionals (IARCP)
- World Scientific and Engineering Academy and Society (WSEAS)
- Oracle Academy
- GitHub Education Global Campus for Teachers

Membru în comisiile de concurs pentru ocuparea posturilor didactice vacante în cadrul Departamentului de Informatică, Statistică și Matematică din cadrul Universității Româno-Americane:

- Departamentul de Informatică, Statistică și Matematică, Asistent universitar, poziția 43 (conform deciziei 115 din 16 Mai 2018 a Rectorului Universității Româno-Americane din București, România)
- Departamentul de Informatică, Statistică și Matematică, Asistent universitar, poziția 44 (conform deciziei 115 din 16 Mai 2018 a Rectorului Universității Româno-Americane din București, România)
- Departamentul de Informatică, Statistică și Matematică, Lector universitar, poziția 28, (conform deciziei 65 din 19 Mai 2017 a Rectorului Universității Româno-Americane din București, România)
- Membru afiliat Universității Româno-Americane din București în Comisia de Concurs pentru postul de cercetător științific gradul I poziția 13, Domeniul de cercetare Științe Economice, în cadrul Universității Titu Maiorescu din București, Institutul de Studii, Cercetare, Dezvoltare și Inovare, Post publicat în Monitorul Oficial al României nr. 92, Partea a III-a, din 10 aprilie 2025, concurs desfășurat în data de 19 iunie 2025

Membru în colectivul de redacție al unei reviste științifice indexată WOS/BDI:

- Journal of Information Systems & Operations Management, ISSN 1843-4711 http://jisom.rau.ro/editorial_board.html
- Eng, ISSN 2673-4117
https://www.mdpi.com/journal/eng/submission_reviewers
- Big Data and Cognitive Computing, ISSN 2504-2289,
https://www.mdpi.com/journal/BDCC/submission_reviewers
- Computers, ISSN 2073-431X,
https://www.mdpi.com/journal/computers/submission_reviewers
- Energies, ISSN 1996-1073,
https://www.mdpi.com/journal/energies/submission_reviewers
- Entropy, ISSN 1099-4300,
https://www.mdpi.com/journal/entropy/submission_reviewers
- Microorganisms, ISSN 2076-2607,
https://www.mdpi.com/journal/microorganisms/submission_reviewers
- Sensors, ISSN 1424-8220,
https://www.mdpi.com/journal/sensors/submission_reviewers
- Processes, ISSN 2227-9717,
https://www.mdpi.com/journal/processes/submission_reviewers

Activitate ca referent științific/editor academic:

a. RECENZOR PENTRU REVISTE ISI

- ACM Computing Surveys (ISSN 0360-0300)
- Advances in Public Health (ISSN 2356-6868)
- Algorithms (ISSN 1999-4893)
- Artificial Intelligence Review (EISSN 1573-7462)
- Big Data and Cognitive Computing (ISSN 2504-2289)
- Buildings (EISSN 2075-5309)
- Computers (ISSN 2073-431X)
- Contemporary Issues in Economy & Technology Conference (CIET) 2018
- Cryptography (ISSN 2410-387X)
- Discover Sustainability (EISSN 2662-9984)
- Electronics (EISSN 2079-9292)
- Energies (ISSN 1996-1073)
- Energy Exploration & Exploitation (ISSN 0144-5987)
- Energy Informatics (EISSN 2520-8942)
- Entropy (ISSN 1099-4300)
- IEEE Transactions on Evolutionary Computation (ISSN 1089-778X)
- Information (ISSN 2078-2489)
- Information Systems Frontiers (ISSN 1387-3326)
- Intelligent Buildings International (ISSN 1750-8975)
- International Conference on Computer Science and Application Engineering (CSAE) 2018
- International Conference on Energy Engineering and Environmental Protection (EEEP) 2018
- ISPRS International Journal of Geo-Information (ISSN 2220-9964)
- Journal of Imaging (EISSN 2313-433X)
- Journal of Information Systems & Operational Management (ISSN 1843-4711)
- Journal of Infrastructure Policy and Development (ISSN 2572-7923)
- Journal of Low Power Electronics and Applications (ISSN 2079-9268)
- Journal of Risk and Financial Management (ISSN 1911-8074)
- Materials (ISSN 1996-1944)
- Mathematical and Computational Applications (ISSN 2297-8747)
- Mathematics (EISSN 2227-7390)

- Multiscale and Multidisciplinary Modeling Experiments and Design (ISSN 2520-8160)
- Network-Computation in Neural Systems (ISSN 0954-898X)
- Preparative Biochemistry and Biotechnology (ISSN 1082-6068)
- Processes (EISSN 2227-9717)
- Remote Sensing (EISSN 2072-4292)
- Resources (ISSN 2079-9276)
- Risks (ISSN 2227-9091)
- Scientific Reports (EISSN 2045-2322)
- Security and Communication Networks (ISSN 1939-0114)
- Sensors (ISSN: 1424-8220)
- Separation Science and Technology (ISSN 0149-6395)
- Smart Grids and Sustainable Energy (EISSN 2731-8087)
- Sustainability (ISSN 2071-1050)
- Sustainable Computing-Informatics & Systems (ISSN 2210-5379)
- Sustainable Energy Technologies and Assessments (ISSN 2213-1388)
- Symmetry (ISSN 2073-8994)
- Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery (ISSN 1942-4787)

b. RECENZOR PENTRU REVISTE BDI

1. WSEAS Transactions on Systems, ISSN: 1109-2777
2. WSEAS Transactions on Environment and Development, ISSN 1790-5079

c. RECENZOR PENTRU CONFERINȚE NAȚIONALE ȘI INTERNAȚIONALE DE SPECIALITATE

- Conferința "International Conference on Energy Engineering and Environmental Protection" (EEEP) 2018
- Conferința "Contemporary Issues in Economy & Technology Conference" (CIET) 2018
- Conferința "International Conference on Computer Science and Application Engineering" (CSAE) 2018

Membru în comitetele de organizare a conferințelor internaționale:

- The 11th Edition of the International Conference "Applied Informatics in Economy and Information Technology - e-Society 2024 - AIData", 20-30.11.2024, Universitatea Româno-

Americană, București, România, <https://web.rau.ro/websites/e-society/>

- The 10th Edition of the International Conference "Applied Informatics in Economy and Information Technology - e-Society 2023: Revolution AI", 24.11.2023, Universitatea Româno-Americană, București, România
- "e-Society 2022 - Knowledge and Innovation: the Online Era", 25.11.2022, Romanian-American University, Bucharest, Romania; <https://web.rau.ro/websites/e-society/>
- "e-Society 2021 - Knowledge and Innovation: the Online Era", 26.11.2021, Romanian-American University, Bucharest, Romania; https://web.rau.ro/websites/e-society/_prev_ed/2021/index.html
- "e-Society 2020 - Knowledge and Innovation: the Online Era", 06.11.2020, Romanian-American University, Bucharest, Romania; http://web.rau.ro/websites/e-society/_prev_ed/2020/index.html
- „e-Society 2019- Knowledge and Innovation: The Digital Age" - e-Society 2019 Knowledge and Innovation: the Digital Age", 23.10.2019, Romanian-American University, Bucharest, Romania; volum indexat BDI. <http://web.rau.ro/websites/e-society/>
- "Applied Informatics in Economy and Information Technology - e-Society 2018 - Knowledge and Innovation: the Digital Age", 26.04.2018, Romanian-American University, Bucharest, Romania; volum indexat BDI. <http://web.rau.ro/websites/e-society/>
- "Applied Informatics in Economy and Information Technology - e-Society - Knowledge and Innovation", 3.11.2016, Romanian-American University, Bucharest, Romania; volum indexat BDI. <http://web.rau.ro/websites/e-society/>
- "Applied Informatics in Economy and Information Technology - e-Society - Knowledge and Innovation", 12.11.2015, Romanian-American University, Bucharest, Romania; volum indexat BDI. <http://web.rau.ro/websites/e-society/>
- "Applied Informatics in Economy and Information Technology: e-Society - Knowledge and Innovation", 13.11.2014, Romanian-American University, Bucharest, Romania; volum indexat BDI. http://web.rau.ro/websites/e-society

Data

16-iulie-2025

Semnătura



UNIVERSITATEA ROMÂNNO-AMERICANĂ

Facultatea de Informatică Managerială

Departamentul de Informatică, Statistică și Matematică

Prof. univ. dr. habil. PÎRJAN ALEXANDRU

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat și teza de abilitare

A1 – Teza de Doctorat: Soluții de optimizare a procesării datelor (2012)

A2 – Teza de Abilitare: Soluții cu spectru larg de aplicabilitate în domeniul Informaticii Economice (2016)

B. Cărți și capitole în cărți

- B.1** Tăbușcă Alexandru, Bârcă Claudiu-Dan, Crișan Daniela-Alexandra, Garais Eugen-Gabriel, **Pîrjan Alexandru**, Bachelor's Degree 2025 - Multiple-Choice Tests (Indicative): Practice book for 3rd year students, full-time studies (ISBN: 978-973-0-42011-1), Bucharest: School of Computer Science for Business Management / Romanian-American University, 54 pagini
- B.2** Tăbușcă Alexandru, Bârcă Claudiu-Dan, Crișan Daniela-Alexandra, Garais Eugen-Gabriel, **Pîrjan Alexandru**, Bachelor's Degree 2024 - Multiple-Choice Tests (Indicative): Practice book for 3rd year students, full-time studies (ISBN: 978-973-0-4018-3), Bucharest: School of Computer Science for Business Management / Romanian-American University, 49 pagini
- B.3** Tăbușcă Alexandru, Crișan Daniela-Alexandra, Enăceanu Alexandru-Șerban, Garais Eugen-Gabriel, **Pîrjan Alexandru**, Stănică Justina-Lavinia. (2023). Bachelor's Degree 2023 - Multiple-Choice Tests (Indicative). Practice Book For 3rd Year (Vols. ISBN 978-973-0-38425-3). Bucharest: School Of Computer Science For Business Management / Romanian-American University, 44 Pagini
- B.4** Crișan Alexandra Daniela, Enăceanu Alexandru-Șerban, Garais Eugen-Gabriel, **Pîrjan Alexandru**, Stănică Justina-Lavinia, Tăbușcă Alexandru, Bachelor's Degree 2022, Multiple-Choice Tests (Indicative), Practice Book for 3rd Year Students, Full-Time Studies, București 2022, ISBN: 978-973-0-36382-1
- B.5** Căruțașu George, **Pîrjan Alexandru**, "Adoptarea eCALL la nivel european", capitol de carte in "Adoptarea și implementarea serviciului eCall", editori Căruțașu George, Zirra Daniela, Editura Universitară, București, 2020, ISBN 978-606-28-1185-3, 119 pagini din care 24 pagini

contribuție

proprie

http://www.bibnat.ro/dyn-doc/publicatii/CIP/CIP_noiembrie_2020_site.pdf

- B.6** Căruțașu George, Zirra Daniela, **Pîrjan Alexandru**, "Tendințe și noi funcționalități posibile ale serviciului eCALL", capitol de carte in "Adoptarea și implementarea serviciului eCall", editori Căruțașu George, Zirra Daniela, Editura Universitară, București, 2020, ISBN 978-606-28-1185-3, 119 pagini din care 24 pagini contribuție proprie
http://www.bibnat.ro/dyn-doc/publicatii/CIP/CIP_noiembrie_2020_site.pdf
- B.7** **Pîrjan Alexandru**, Căruțașu George, Garais Gabriel et al, *Bachelor's Degree Examination 2020 - Practice Book Tailored for 3rd Year Graduates, Full Time Studies*, Editura Universitară, București, 2020, ISBN 978-606-28-1101-3, 61 pagini
[DOI: \(Digital Object Identifier\): 10.5682/9786062811013](https://doi.org/10.5682/9786062811013)
- B.8** Potecea Valeriu, Surdu-Nițu Georgiana, Folcuț Ovidiu, **Pîrjan Alexandru** et al, *Licență 2020 pentru absolvenții anului III zi și III FR*, Editura Universitară, București, 2020, ISBN 978-606-28-1104-4, 398 pagini
[DOI: \(Digital Object Identifier\): 10.5682/9786062811044](https://doi.org/10.5682/9786062811044)
- B.9** Potecea Valeriu, Surdu-Nițu Georgiana, Folcuț Ovidiu, **Pîrjan Alexandru** et al, *Licență 2019 pentru absolvenții anului III zi și III FR*, Editura Universitară, București, 2019, ISBN 978-606-28-0920-1, 402 pagini
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20-%20CIP%20aprilie%202019.pdf>
- B.10** **Pîrjan Alexandru**, Căruțașu George, Crișan Daniela Alexandra et al, *Bachelor's Degree Examination 2019 - Practice Book Tailored for 3rd Year Graduates, Full Time Studies*, Editura Universitară, București, 2019, ISBN 978-606-28-0912-6, 62 pagini
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20-%20CIP%20aprilie%202019.pdf>
- B.11** Potecea Valeriu, Surdu-Nițu Georgiana, **Pîrjan Alexandru** et al, *Licență 2018 pentru absolvenții anului III ZI și FR*, Editura Universitară, București, 2018, ISBN 978-606-28-0740-5, 401 pagini
http://alephnew.bibnat.ro:8991/F/BG1RD77GSGB7CRX29GJ43I5KYISCE94CFVVQ36VL6Q5U16N1JA-16905?func=find-b&request=978-606-28-0740-5&find_code=ISB&adjacent=Y&local_base=CIP&x=39&y=8&filter_code_1=WLN&filter_request_1=&filter_code_2=WYR&filter_request_2=&filter_code_3=WYR&filter_request_3=&filter_code_4=WFM&filter_request_4=&filter_code_5=WSL&filter_request_5=

- B.12 Pîrjan Alexandru**, Căruțașu George, Crișan Daniela Alexandra et al, *Bachelor's Degree Examination 2018 - Practice Book Tailored for 3rd Year Graduates, Full Time Studies*, Universitară Publishing House, Bucharest, 2018, ISBN 978-606-28-0734-4, 58 pagini din care 21 pagini contribuție proprie
http://alephnew.bibnat.ro:8991/F/BG1RD77GSGB7CRX29GJ43I5KYISCE94CFVVQ36VL6Q5U16N1JA-17102?func=find-b&request=978-606-28-0734-4&find_code=ISB&adjacent=Y&local_base=CIP&x=30&y=6&filter_code_1=WLN&filter_request_1=&filter_code_2=WYR&filter_request_2=&filter_code_3=WYR&filter_request_3=&filter_code_4=WFM&filter_request_4=&filter_code_5=WSL&filter_request_5=
- B.13 Oprea Simona-Vasilica, Pîrjan Alexandru**, Lungu Ion, Fodor Anca-Georgiana, *Forecasting solutions for photovoltaic power plants in Romania*, în *Informatics in economy, Lecture Notes in Business Information Processing*, Vol. 273, pp. 160-174, **Editura Springer Verlag**, editură cu prestigiu internațional recunoscut, ISSN 1865-1348, 2017
https://link.springer.com/chapter/10.1007%2F978-3-319-73459-0_12
- B.14 Bâra Adela**, Căruțașu George, **Pîrjan Alexandru**, Oprea Simona Vasilica, Botha Iuliana, Belciu Anda, Botezatu Mihai Alexandru, *Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile (SIPAMER)*, Volumul II, Dezvoltarea și implementarea prototipului informatic, ISBN General: 978-606-26-0747-0, ISBN VOL II: 978-606-26-0818-7, 152 pagini, Editura Pro Universitaria, **editură cu prestigiu recunoscut CNATDCU în domeniul "Științe sociale" (pe lista A2) și acreditată CNCS (categoria B)**, București, 2017
<http://www.prouniversitaria.ro/carte/sistem-inteligent-pentru-predictia-analiza-si-monitorizarea-indicatorilor-de-performanta-a-proceselor-tehnologice-si-de-afaceri-in-domeniul-energiilor-regenerabile-sipamer-volii-dezvoltarea-si-implementarea-prototipului-informatic>
- B.15 Bâra Adela**, Lungu Ion, Botezatu Cornelia Paulina, Căruțașu George, Uță Adina, **Pîrjan Alexandru**, Andreescu Anca, Oprea Simona Vasilica, *Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile (SIPAMER)*, Volumul I, Analiza sistemului și identificarea soluțiilor de realizare, ISBN General: 978-606-26-0747-0, ISBN VOL I: 978-606-26-0748-7, 322 pagini, Editura Pro Universitaria, **editură cu prestigiu recunoscut CNATDCU în domeniul "Științe sociale" (pe lista A2) și acreditată CNCS (categoria B)**, București, 2017
<http://www.prouniversitaria.ro/carte/sistem-inteligent-pentru-predictia-analiza-si-monitorizarea-indicatorilor-de-performanta-a-proceselor-tehnologice-si-de-afaceri-in-domeniul-energiilor-regenerabile-sipamer-volumul-i-analiza-sistemului-si-identificarea-solutiilor-de-realizare>
- B.16 Botezatu Cornelia Paulina, Pîrjan Alexandru**, Căruțașu George, Garais Gabriel, Iacob Ionel, Crișan Daniela Alexandra, Stănică Justina Lavinia, *Bachelor's Degree Examination 2016 - Practice Book Tailored for 3rd Year Graduates, Full Time Studies*, Editura Pro Universitaria,

editură cu prestigiu recunoscut CNATDCU în domeniul "Științe sociale" (pe lista A2) și acreditată CNCS (categoria B), București, 2017, ISBN 978-606-26-0735-7, 53 pagini, din care 20 pagini contribuție proprie (capitolele Information Systems Design și Oracle DBMS – SQL)

http://alephnew.bibnat.ro:8991/F/6HAPIS2TNB32851GFFD2H8Y2K2Y3IXY8Y3QQYB B9V4P724YKDD-66894?func=full-set-set&set_number=000871&set_entry=000001&format=002

- B.17** Potecea Valeriu, Surdu-Nițu Georgiana, Folcuț Ovidiu, **Pîrjan Alexandru et al, Licență 2017 pentru absolvenții anului III, învățământ cu frecvență: teste-grilă (orientative)**, Editura Pro Universitaria, editură cu prestigiu recunoscut CNATDCU în domeniul "Științe sociale" (pe lista A2) și acreditată CNCS (categoria B), București, 2017, ISBN 978-606-26-0736-4, 399 pagini, din care 27 pagini contribuție proprie (capitolele Information Systems Design și Oracle DBMS – SQL)

http://alephnew.bibnat.ro:8991/F/6HAPIS2TNB32851GFFD2H8Y2K2Y3IXY8Y3QQYB B9V4P724YKDD-66648?func=full-set-set&set_number=000868&set_entry=000001&format=002

- B.18** **Pîrjan Alexandru**, *Soluții informatice pentru procesarea paralelă a datelor pe unități de procesare grafică, Ediția a II-a, revizuită și adăugită*, Editura Pro Universitaria, editură cu prestigiu recunoscut CNATDCU în domeniul "Științe sociale" (pe lista A2) și acreditată CNCS (categoria B), București, 2016, ISBN 9786062606534, 372 pagini

<http://www.prouniversitaria.ro/carte/solutii-informactice-pentru-procesarea-paralela-a-datelor-pe-unitati-de-procesare-grafica>

- B.19** Botezatu Cornelia Paulina, Preda Ana Maria, Căruțașu George, **Pîrjan Alexandru**, Garais Gabriel, Crișan Daniela Alexandra, Stănică Justina Lavinia, *Bachelor's Degree Examination 2016 - Practice Book Tailored for 3rd Year Graduates, Full Time Studies*, Editura Pro Universitaria, editură cu prestigiu recunoscut CNATDCU în domeniul "Științe sociale" (pe lista A2) și acreditată CNCS (categoria B), București, 2016, ISBN 978-606-26-0546-9, 56 pagini, din care 21 pagini contribuție proprie (capitolele Baze de date relaționale (limbaj SQL) și Sisteme de gestiune a bazelor de date (ORACLE))

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- D.5 Pîrjan Alexandru, *Managing graphics processing units' memory and its associated transfers in order to increase the software performance*, Proceedings of The Fourth Edition of the International Conference Applied Informatics in Economy and Information Technology "e-Society - Knowledge and Innovation", November 3-4 2016, Romanian American University, Bucharest, Romania, Pro Universitaria Publishing House, pg. 27, ISSN 2537 - 3943, ISSN-L 2537 – 3943, pg. 27

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- D.7** **Pîrjan Alexandru**, Petroșanu Dana-Mihaela, *Improving parallel programming in the Compute Unified Device Architecture using the unified memory feature*, The Conference "e-Society - Knowledge and Innovation", Romanian-American University, Bucharest, Romania, 2014.
- D.8** **Pîrjan Alexandru**, Petroșanu Dana-Mihaela, *A Comparison of the Most Popular Electronic Micropayment Systems*, The 1st International Conference "Economics and Information Technology – e-Society Knowledge and Innovation", Bucharest, 2008, Proceedings of The 1st International Conference "Economics and Information Technology – e-Society Knowledge and Innovation", Bucharest, 2008, pp. 205-216, ISBN 978-973-749-491-7
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- D.10** Voiculescu Mihai, Moise Maria, Mihăilă Mariana, **Pîrjan Alexandru**, *A Conceptual Approach for Establishing the Priority of Patients on the Waiting List for Liver Transplantation*, The 9-Th European Conference E-COMM-LINE 2008, Proceedings of The 9-th European Conference on E-COMM-LINE 2008, University of Economic Studies, Bucharest, 2008, Section VI –e-Health, symbol 40/8 pp, ISBN-10: 973-17404-11-6, ISBN-13: 978-973-1704-11-1
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- D.11** Moise Maria, **Pîrjan Alexandru**, *SE-Dialise-An Expert System for Monitoring the Dialysis Process*, The 31st International Convention on Information and Communication Technology, Electronics and Microelectronics, Croatia, 2008, Proceedings of the 31st International Convention on Information and Communication Technology, Electronics and Microelectronics, Croatia, 2008, Vol III, pp. 219-222, ISBN 978-953-233-038-0
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- D.15** Moise Maria, **Pîrjan Alexandru**, *Expert Systems Based on Logical Equations*, The 9th Session of Scientific Communication of the Romanian-American University "Increasing the Economic Competitiveness of Romania in the Context of Integration in the European Union", Bucharest, 2006, Vol. 1, 2006, Volume of the 9th Session of Scientific Communication of the Romanian-American University, Bucharest, 2006, pp. 32-44, ISBN (13) 978-973-7854-76-4
- D.16** Moise Maria, **Pîrjan Alexandru**, *Neural Networks and Machine Learning*, A XI-a The 9th Session of Scientific Communication of the Romanian-American University "Increasing the Economic Competitiveness of Romania in the Context of Integration in the European Union", Bucharest, 2006, Vol. 1, 2006, Volume of the 9th Session of Scientific Communication of the Romanian-American University, Bucharest, 2006, pp.11-22, ISBN (13) 978-973-7854-76-4
- D.17** Moise Maria, **Pîrjan Alexandru**, *Data mining – procese de extragere a cunostințelor din bazele de date*, International symposium on the topic: Sustainable Romanian Tourism in the Context of European Economic Integration, Bucharest 2006, Volume of the International Symposium on the Sustainable Romanian Tourism in the Context of European Economic Integration, Bucharest, 2006, pp. 429-434, ISBN (10) 973-8994-67-5; (13) 978-973-8994-67-6
- D.18** **Pîrjan Alexandru**, *Electronic Mobile Commerce*, Workshop Information Systems & Operations Management No. 3, Bucharest, 2005, Workshop Information Systems & Operations Management Proceedings, Bucharest, 2005, pp.171 – 178, ISBN 973-87166-8-3

E. Brevete / Cereri de brevet de invenție

- Cb.1** Bâra Adela, Căruțașu George, **Pîrjan Alexandru**, Oprea Simona Vasilica, Lungu Ion, Botezatu Cornelia Paulina, Botha Iuliana, Belciu Anda, Florea Alexandra, Ionuț-Cornel Țăranu, **Cerere de brevet de invenție** depusă la OSIM, nr. **RO132451-A0**, "Metodă și sistem informatic inteligent pentru predicția, analiza și monitorizarea producției și consumului energiei electrice provenite de la fermele eoliene", **indexata Clarivate Analytics Derwent Innovations Index, Derwent Primary Accession Number: 2018-27014D**

Proiecte de cercetare-dezvoltare-inovare obținute prin competiție, naționale (Pn1, Pn2 etc.) și/sau internaționale (Pi1, Pi2 etc.)

- Pn1** Proiect de cercetare: PN-III-P2-2.1-BG-2016-0286, "Soluții informatice pentru analiza și optimizarea consumului de energie electrică în rețele inteligente ", perioada 2016-2018 (membru în echipa de lucru)

http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P2_Cresterea%20competitivitatii%20economiei%20romanesti/Pachet%20de%20informatii%20BG/Contractare/BG%20-%20proiecte%20finantate%20ENERGIE.pdf

- Pn2** Proiect de cercetare: PN-II-RU-TE-2014-4-2499, "Coordonarea politicilor monetare și macroprundețiale", perioada 2015-2017 (membru în echipa de lucru)
<http://risksys.rau.ro/index.php/team>
- Pn3** Proiect de cercetare: PCCA 2013, cod 0996, "Sistem inteligent pentru predicția, analiza și monitorizarea indicatorilor de performanță a proceselor tehnologice și de afaceri în domeniul energiilor regenerabile (SIPAMER)", perioada 2013-2016 (membru în echipa de lucru), din anul 2017 - responsabil de proiect
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>
- Pn4** Proiect de cercetare: PNCIDI II PROGRAM – EXAMBREV, Nr. contract 11076/2007, "Sistem informatic integrat, bazat pe inteligența artificială, pentru examinarea cererilor de brevet de invenție", perioada 2007-2010 (membru în echipa de lucru)
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>
- Pn5** Proiect de cercetare: PNCIDI II, Nr.11013, "Sistem flexibil pentru accesarea personalizată a serviciilor destinate persoanelor vârstnice - WebAgeing", perioada 2007-2010 (membru în echipa de lucru)
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>
- Pn6** Proiect de cercetare: MONDIAL CEEX PROGRAM, Nr. S83, "Rețea de cercetare multidisciplinară pentru eficientizarea procesului de dializă renală prin monitorizare cu un sistem informatic complex ", perioada 2006-2008 (membru în echipa de lucru)
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>
- Pn7** Proiect de cercetare: CEEX Nr. 123.3, "Sistem informatic integrat județean/regional bazat pe interconectarea instituțiilor publice și destinat furnizării de servicii electronice către cetățeni și către mediul de afaceri", perioada 2006-2008 (membru în echipa de lucru)
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>
- Pn8** Proiect de cercetare: SECTORIAL MedC, Nr. 11.6, "Sistem informatic integrat pentru identificarea, evaluarea, planificarea și gestionarea fondului național de plante medicinale, aromatice și tinctoriale (surse de materii prime pentru industria alimentară, farmaceutică și cosmetică)", perioada 2006-2008 (membru în echipa de lucru)
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>
- Pi1** Responsabil de proiect internațional: conform contractului "SAFE AGREEMENT No. INEA/CEF/TRAN/M2018/1798161" din data de 08.06.2019 și membru în echipa de lucru începând cu data de 30.10.2019

- Pi2** Proiect de cercetare: "FUPOL – Future Policy Modeling, ICT Solutions for governance and policy modelling", *finanțat prin programul FP7 al Comisiei Europene*, ICT-2011.5.6, perioada 01.10.2011-2015 (membru în echipa de lucru)
<http://cercetare.rau.ro/index.php?module=MembriiContracte&membru=175>

Alte proiecte (POSDRU, PHARE, cu mediul de afaceri etc.)

- Po1** Contract POSDRU/156/1.2/G/132920 "Școala Practică: Inovare în învățământul superior și succes pe piața muncii", perioada 2014-2015 (membru în echipa de lucru)

Modele, prototipuri, normative, proceduri, planuri, metode

- M1** *Experimentarea sistemului informatic de examinare a cererilor de brevet de invenție*, iulie 2009, Model experimental, Program Finanțator: PNCDI-II Parteneriate, Nr.Contract: 11-076/2007
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Model>
- M2** *Elaborarea sistemului informațional necesar (inventarierea și corelarea resurselor informaționale), stabilirea parametrilor semnificativi ai subsistemelor și elaborarea în fază de laborator a sistemului informatic de examinare a cererilor de brevet de invenție*, noiembrie 2008, Model experimental, Program Finanțator: PNCDI-II Parteneriat, Nr. Contract: 11-076/2007
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Model>
- M3** *Experimentarea sistemului informatic de monitorizare globală a procesului de dializă renală - Etapa a IV-a*, august 2008, Prototipuri, Program Finanțator: CEEX, Nr. Contract: 78 II CEEX-S83/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Model>
- M4** *Realizare baze de date și aplicații software - Etapa a V-a*, aprilie 2008, Model experimental, Program Finanțator: CEEX, Nr. Contract: 123.3/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Model>
- M5** *Elaborarea în fază de laborator a sistemului informațional primar de date, stabilirea parametrilor biologici semnificativi și elaborarea sistemului informatic de monitorizare globală a procesului de dializă - Etapa a II-a*, mai 2007, Model experimental, Program Finanțator: CEEX, Nr. Contract: 78 II CEEX - S83/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Model>
- M6** *Elaborare descriptori pentru fondul național de plante medicinale, aromatice și tehnice - Etapa a II-a*, mai 2007, Model experimental, Program Finanțator: SECTORIAL – ANCS, Nr. Contract: 11.6/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Model>

Produse, tehnologii, studii si servicii

- T1** *Elaborarea documentației de analiză tehnico-economică pentru implementarea sistemului informatic de monitorizare globală* - Etapa a III-a, Anul Publicării: 2008, Luna: mai, Ziua: 15, Produs: Tehnologii, Instituții Utilizatoare: Centrul National de Management Programe – CNMP, Nr. Contract:78 II CEEEX - S83/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Produs>
- T2** *Proiectare sistem informatic - colectare si procesare date, inclusiv din teren privind fondul national de plante medicinale aromatice si tehnice* - Etapa a III-a, Anul Publicării: 2007, Luna: noiembrie, Ziua: 30, Produs: Produse, Institutii Utilizatoare: Centrul National de Management Programe – CNMP, Nr. Contract: 11.6/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Produs>
- T3** *Elaborarea strategiei de abordare a cercetării privind monitorizarea globală a procesului de dializă și studiu critic asupra posibilității determinării on-line a constituenților sângelui considerați necesar a fi monitorizați* - Etapa I, Anul Publicării: 2006, Luna: noiembrie, Ziua: 20, Produs: Studii, Institutii Utilizatoare: Centrul National de Management Programe – CNMP, Nr. Contract:78 II CEEEX - S83/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Produs>
- T4** *Studiu tehnic* - Etapa I, Anul Publicării: 2006, Luna: noiembrie, Ziua: 30, Produs: Studii, Instituții Utilizatoare: Centrul National de Management Programe – CNMP, Nr. Contract: 11.6/2006
<http://cercetare.rau.ro/index.php?module=MembriiContracte&req=Produs>

ANEXĂ. CITĂRI ALE LUCRĂRILOR PUBLICATE

I		Pîrjan Alexandru, Petroșanu Dana-Mihaela, <i>The Impact of 3D Printing Technology on the Society and Economy</i> , Journal of Information Systems & Operations Management, Vol. 7, No. 2/2013, pp. 360-370, ISSN 1843-4711 https://ideas.repec.org/a/rau/journal/v7y2013i2p360-370.html
Citată în	1	Fajardo JI, Farez MV, Paltán CA. Experimental Analysis of the Relationship between Textile Structure, Tensile Strength and Comfort in 3D Printed Structured Fabrics. Polymers. 2023; 15(1):152. https://doi.org/10.3390/polym15010152 Accession Number WOS: 000910411900001
	2	Dialami, N., Chiumenti, M., Cervera, M., Chasco, U., Reyes-Pozo, G., & Pérez, M. A. (2022). A hybrid numerical-experimental strategy for predicting mechanical response of components manufactured via FFF. Composite Structures, 298, 115998 Accession Number WOS: 000841196500002

3	Almahamid, S.M., Almurbati, N., Al-Alawi, A.I. and Fataih, M.A. (2022), "What determines 3D printing adoption in the GCC region?", Journal of Science and Technology Policy Management, https://0d1046vh8-y-https-doi-org.z-e-nformation.ro/10.1108/JSTPM-02-2022-0037 Accession Number WOS: 000823146500001
4	Srinath, R., Mukesh, R., Poojari, M. C., Hasan, I., & Amare Alebachew, W. (2022). Streamline Effect Improvement of Additive Manufactured Airfoil Utilizing Dynamic Stream Control Procedure. Advances in Materials Science & Engineering Accession Number WOS: 000861356100002
5	Tegethoff T, Santa R, Cayón E, Scavarda A, "Strategy and additive technologies as the catalyst for outsourcing, process innovation and operational effectiveness", PLoS ONE 18(2), 2023, e0282366. https://doi.org/10.1371/journal.pone.0282366 , WOS: 000996122900015
6	Teweldebrhan, B. T., Maghelal, P., & Galadari, A. (2022). Impact of 3D printing on car shipping supply chain logistics in the Middle East. The Asian Journal of Shipping and Logistics, 38(3), 181-196, https://doi.org/10.1016/j.ajsl.2022.06.003 , Accession Number WOS: 000863076000006
7	Teweldebrhan, B. T., Maghelal, P., & Galadari, A. (2022). Impact of additive manufacturing on maritime transportation: a review. Journal of International Logistics and Trade, 20(4), 190-209, https://www.emerald.com/insight/content/doi/10.1108/JILT-06-2022-0017/full/html
8	Goldberg, D.M., Deane, J.K., Rakes, T.R. et al. 3D Printing Technology and the Market Value of the Firm. Inf Syst Front 24, 1379–1392 (2022). https://doi.org/10.1007/s10796-021-10143-7 , Accession Number WOS: 000652071700001
9	Muhammad Syamir Abu Bakar, Nasuha Sa'ude, Mustafa Ibrahim, Nur Amira Natasha Ismail; Additive manufacturing (3D printing): A review of current 3D concrete printing on materials, methods, applications, properties and challenges. AIP Conference Proceedings 2023; 2530 (1): 020001. https://doi.org/10.1063/5.0120868
10	Pradhan, G. A Review paper on 3D-Printing Aspects and Various Processes Used in the 3D-Printing, Dogo Rangsang Research Journal UGC Care Group I Journal, ISSN: 2347-7180 Vol-13, Issue-5, 2023, https://www.journal-dogorangsang.in/no_1_Online_23/44.pdf
11	Bayram, G. & Çetiner, B. G. (2023). The Disruptive Nature of 3D Printing Technology on Mass Customization and Supply Chain In The Context of Environment and Economy . International Journal of Advances in Engineering and Pure Sciences , 35 (1) , 54-65 . DOI: 10.7240/jeps.1196646
12	Dhakal, S. (2023). The Roles and Applications of Additive Manufacturing Technology in the Aerospace Industry. Int. J. Sci. Res. in Multidisciplinary Studies Vol, Vol.9, Issue.3, pp.42-49, https://www.isroset.org/index.php E-ISSN: 2454-9312 P-ISSN: 2454-6143

13	Parveen, S., Yadav, R., Sangal, S., Chawra, H. S., & Rathore, G. Recent Advancement of 3D Printing Application in Pharmaceutical Industries, International Journal of Research Publication and Reviews, Vol 3, no 12, pp 2579-2585, 2022, https://www.ijrpr.com/
14	Kundu, M., & Mandal, A. Additive Manufacturing Process (3D Printing):“A Critical Review of Techniques, Applications & Future Scope”.International Journal of Engineering Research & Technology (IJERT), Vol. 11 Issue 10, 2022, ISSN: 2278-0181, http://www.ijert.org
15	Abhinav Rohan, K., Sindhwani, N.A., Nikitha, R., Kondayya, D., John Rozario Jegaraj, J. (2023). Development of IoT Enabled 3D Printed Smart Prosthetic Leg. In: Dixit, U.S., Kanthababu, M., Ramesh Babu, A., Udhayakumar, S. (eds) Advances in Forming, Machining and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-3866-5_41
16	Pullen, M. W., Pooley, R. A., Kofler Jr, J. M., Valero-Moreno, F., Ramos-Fresnedo, A., Domingo, R. A., & Buchanan, I. A. (2022). A radiographic analysis of common 3D print materials and assessment of their fidelity within vertebral models. Annals of 3D Printed Medicine, Volume 8, 2022, https://www.sciencedirect.com/science/article/pii/S2666964122000340
17	Ramadhan, A., Syarifuddin, G., Rivaldin, I. L., & Pribadi, S. (2022). Produksi desain penyangga masker medis untuk sirkulasi udara memanfaatkan cetak 3D untuk mencegah penularan COVID-19. JMM (Jurnal Masyarakat Mandiri), 6(4), 2993-3010.
18	Hanchate, Rutvik and More, Shailendra and More, Yash and Jagtap, Shubham, Novel and Cost Effective 3D-Printing Technology Based on Fused Deposition, 4th International Conference on Communication & Information Processing (ICCIP) 2022, Available at SSRN: https://ssrn.com/abstract=4296960 or http://dx.doi.org/10.2139/ssrn.4296960
19	Shopova D, Bakova D, Semerdjieva M, Yaneva A. Patient Awareness of Additive Manufacturing in Dentistry – A Survey. Open Access Maced J Med Sci, 2022, 10(D):255-9, https://oamjms.eu/index.php/mjms/article/view/9860
20	Sunte, J., & Rathod, J. (2022). A 3D Printing on Engineering and Medical Field, International Journal of Scientific Research in Mechanical and Materials Engineering, Volume 6, Issue 4, Page Number : 17-26, 2022, https://ijsrmme.com/paper/IJSRMME22643.pdf
21	Khoury, T. (2022). Invigoration in Culturally Significant Object Design through 3D Technologies. International Journal of Designed Objects, 16(1).
22	Pathak K, Saikia R, Das A, Das D, Islam MA, Pramanik P, et al, "3D printing in biomedicine: advancing personalized care through additive manufacturing", Explor Med.;4:1135–67, 2023 https://doi.org/10.37349/emed.2023.00200
23	Mateti, Tarun, et al. "An overview of the advances in the 3D printing technology." 3D Printing Technology for Water Treatment Applications, 2023, https://www.sciencedirect.com/science/article/abs/pii/B9780323998611000023

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25	Noonari, Shoukat Ali. "A Review Paper on 3D Printing Technology: Processes, Materials, Applications and its Potential Application Opportunities and Challenges Faced in Pakistan." Technical Journal 28.04: 7-16, 2023, https://tj.uettaxila.edu.pk/index.php/technical-journal/article/view/1807
26	Gómez-García, David, et al. "Machinability Characterization of 3D Printed PEEK." Key Engineering Materials 956, 161-170, 2023, https://www.scientific.net/KEM.956.161
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29	Rusianto, Toto, Saiful Huda, and Irmansyah Perwira Negara. "A riview: jenis dan pencetakan 3d (3d printing) untuk pembuatan prototipe." Jurnal Teknologi 16, no. 1 (2023): 92-99.
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32	Heng, Qidong. "Design and implementation of 3D print model library management system." In Proceedings of the 2023 3rd Guangdong-Hong Kong-Macao Greater Bay Area Artificial Intelligence and Big Data Forum, pp. 169-178. 2023.
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