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|   |  |  **Prof.univ. Dr.Ing. MARIANA NAGY** Department of Matematics and Computer Science Faculty of Exact Sciences, „Aurel Vlaicu” University of Arad |
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| Curriculum vitae Europass  |  |
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| Personal information |  |
| Surname(s) / First name(s) | NAGY MARIANA |
| Address(es) |  |
| Telephone(s) |  | Mobile: | 0040-723512913 |
| Fax(es) | 0040-257-219000 |
| E-mail | mariana.nagy@uav.ro |
| Nationality |  |
| Date of birth |  |
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| Gender | Female |
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| Work experience | 38 years |
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| **Dates** | **At present** |
| Occupation or position held | Full professor at "Aurel Vlaicu" University, Arad, Faculty of Exact SciencesVice-president of The Regional Center for Innovation and Technology Transfer „TEHIMPULS”Representative of “Aurel Vlaicu” University in IT&C CLUSTERPresident of EDU4FUTURE Association Member of the Register of ARACIS Assessors, committee 13Lead auditor – with RINA-SIMTEX OC |
| Main activities and responsibilities | Teaching and research activitiesEU project management / Team memberInnovation expert for Ro-Boost SMEs consortium (EEN) |
| Type of business or sector | Education, Aurel Vlaicu University of Arad |
| **Dates** | **2004-2024** |
| Occupation or position held | Full professor at "Aurel Vlaicu" University, Arad, Faculty of Exact SciencesDean of the Faculty of Exact Sciences, member of the Senate (2016-2020)Head of the Department of Mathematics and Computer Science. Member of the Senate (2008-2016)Vice-dean of the Faculty of Exact Sciences (2004-2008)Member of the Senate, Member of the Academic Commission of the Senate (2016-2024)Vice-president of The Regional Center for Innovation and Technology Transfer “Tehimpuls”Representative of “Aurel Vlaicu” University in IT&C CLUSTERMember of the Academic Commission, Member of the Quality Assurance teamMember of the Register of ARACIS Assessors, committee 13Lead auditor – with RINA-SIMTEX OC |
| Main activities and responsibilities | Teaching and research activities, Manager, organizer, Poject managementCourses: Databases, Computer Systems in Accounting, Advanced Data Analysis, Decision Support SystemsECDL – trainer and examiner |
| Type of business or sector | Education, Aurel Vlaicu University of Arad |
| **Dates** | **1998-2004** |
| Occupation or position held | Associate professor, then Full professor at "Aurel Vlaicu" University, Arad, Faculty of Exact SciencesHead of Department, Vice/dean, then DEAN, memver of the Senate |
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| Main activities and responsibilities | Manager, organizer, Head of the LLL CenterTeaching and research activities, Manager, organizer, EU project managementCourse coordinator for LLL, post-graduate computer courses for economists and engineers, International economic relationshipsECDL – trainer and examiner |
| Type of business or sector | Education, Aurel Vlaicu University of Arad |
| **Dates** | **1996-1998** |
| Occupation or position held | University lecturer at "Aurel Vlaicu" University, Arad |
| Main activities and responsibilities | Teaching computer science applied in economics, Teaching CAD for engineersResponsible for International relationships |
| Type of business or sector | Education, Aurel Vlaicu University of Arad |
| **Dates** | **1994-1996** |
| Occupation or position held | University lecturer at “Vasile Goldis” University, Arad |
| Main activities and responsibilities | Teaching, System engineer |
| Type of business or sector | Education, Vasile Goldis University, Arad |
| **Dates** | **1992-1994** |
| Occupation or position held | Engineer |
| Main activities and responsibilities | Member of the founding and organizing team at SC "Sanevit" SA, Arad |
| Type of business or sector | SME producing syringe |
| **Dates** | **1988-1992** |
| Occupation or position held | Research engineer |
| Main activities and responsibilities | Research engineer at "ICSITMU" Research Institute, Bucharest, subjects: machine-tools – design and programming |
| Type of business or sector | SME and research institute |
| **Dates** | **1985-1988** |
| Occupation or position held |  Software engineer at Railway Engines’ Works, Drobeta-Turnu Severin |
| Main activities and responsibilities | Software design and implementation |
| Type of business or sector  |  SME producing railway engines |
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| **Education degree and Qualification** |  |
| **Dates** | **August 2019** |
| Title of qualification awarded | Certificate, Training on ISO/IEC 20000-1:2018 |
| Name and type of organisation providing education and training | RINA Academy  |
| **Dates** | **January 2018** |
| Title of qualification awarded | Certificate of Data Protection Officer, GDPR training |
| Name and type of organisation providing education and training | Professionals Business Knowledge Society |
| **Dates** | **November 2015** |
| Title of qualification awarded | * Descentralized training for POD evaluator (EEN)
 |
| Name and type of organisation providing education and training | University of Greenwich,, EEN partner |
| **Dates** | **April 2015** |
| Title of qualification awarded | * /Decentralized training for EEN new-comers
 |
| Name and type of organisation providing education and training | West Region Development Agency, RomaniaCoordinator of RO-Boost SMEs consortium |
| **Dates** | **2012** |
| Title of qualification awarded | Certificate, Coaching |
| Name and type of organisation providing education and training | CCIA Arad |
| **Dates** | **2012** |
| Title of qualification awarded | Certificate, trainer’s training (Formator) |
| Name and type of organisation providing education and training | SC Mediasoft SRL |
| **Dates** | **2012** |
| Title of qualification awarded | Certificate, ITIL Foundation and auditor for ISO/IEC 20000-1:2011 |
| Name and type of organisation providing education and training | APMG-UK |
| **Dates** | **2005, 2008, 2009, 2011** |
| Title of qualification awarded | Certificate, Auditor for SR EN ISO 9001, SR ISO/CEI 27001, ISO/IEC 20000-1, BS 25999:2007 / Lead auditor |
| Name and type of organisation providing education and training | RINA-Simtex-OC, Bucharest |
| **Dates** | **2007, 2002** |
| Title of qualification awarded | Certificate |
| Name and type of organisation providing education and training | Arad, International Summer University on Information management in fuzzy systems / Communication and Interculturality |
| **Dates** | **2004-2006** |
| Title of qualification awarded | Master diploma |
| Name and type of organisation providing education and training | Arad, “Aurel Vlaicu University”, Master courses on management in public administration |
| **Dates** | **2002** |
| Title of qualification awarded | Certificate, Cisco, sem.1 & sem.2 |
| Name and type of organisation providing education and training | Local Cisco Academy |
| **Dates** | **2001-2002** |
| Title of qualification awarded | Certificate, Post graduate course, International Economic Relationships |
| Name and type of organisation providing education and training | Aurel Vlaicu University, Faculty of Economics |
| **Dates** | **1991-1996** |
| Title of qualification awarded | PhD in engineering |
| Name and type of organisation providing education and training | Timisoara, “Traian Vuia” Politechnical University: PhD thesis on data processing related to **solar energy** storage and measurements |
| **Dates** | **1993** |
| Title of qualification awarded Name and type of organisation providing education and training  | Company managementPenta Group Co, Intaly |
| **Dates** | **1990-2002** |
| Title of qualification awarded  | Different type of certificates for computer, Programming, IT and researchCertificate of English and Italian languages |
| Name and type of organisation providing education and training | Training providers form Arad, Timisoara, Bucharest |
| **Dates** | **1980-1985** |
| Title of qualification awarded  | Diploma of Engineer, with recommandation for research |
| Name and type of organisation providing education and training | Timisoara, “Traian Vuia” Politechnical University  |
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| Personal skills and competences |  |
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| Mother tongue(s) | Hungarian, Romanian at the same level as mother tongue |
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| Other language(s) |  |
| Self-assessment |  | Understanding | Speaking | Writing |
| European level (\*) |  | Listening | Reading | Spoken interaction | Spoken production |  |
| English |  |  | C1 |  | C1 |  | C1 |  | C1 |  | C1 |
| Italian |  |  | C1 |  | C1 |  | C1 |  | C1 |  | B2 |
| French |  |  | C1 |  | C1 |  | B2 |  | B2 |  | B1 |
|  | (\*) Common European Framework of Reference for Languages |
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| Social skills and competences |  Experienced in leading teams and in working in teams Excellent communication skills (both at human level as at the languages command level) |
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| Organisational skills and competences | Manager (dean, vice-dean, head of department)Vice/president of “Tehimpuls” Association, TimisoaraProject manager / team member for projects (FP5, Phare 2005, Leonardo da Vinci, HURO 2007-2013, Horizon 2020, DCC, ICC)Course manager / IT at BS, MS level, Action LearningAudit team leader |
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| Technical skills and competences | Trainer, manager in educationInformation management in economic ambientSolar energy – storage methods, database processingDatabasesConsulting in quality, external auditor and lead auditor for QMS and ISMS, trainerBasic skills as Action Learning facilitator |
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| Computer skills and competences | Computer engineer ECDL trainer and examiner Databases – analyzing, designing and programming Professional user for Office Programs Data processing for the economic ambient Basic network knowledge, web pages |
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| Other skills and competences | 8 books and university courses7 books in collaboration, 3 synthesis book (coordinator and coauthor)over 80 published papers, local and international, author or coauthorSelection:1. M. Nagy, J.L. de Miranda, N. Popescu-Bodorin, Decision Making and Robust Optimization for Information Systems Oriented to Emergency Events, Journal of Computer, Communication & Control, vol.19, 6, 2024
2. N.Popescu-Bodorin, M.Nagy, A New Way of Collecting Traffic Data Inside a Smart City Based on IoT Devices and Communication Protocols Designed for Preserving Perfect Anonymity, in ICCCC 2022. Advances in Intelligent Systems and Computing, vol 1435. Springer, Cham, pp.72-84.
3. M.Jianu, L.Dăuş, M.Nagy, R.M.Beiu, Approximating the Level Curves on Pascal’s Surface, International Journal of Computer, Communication & Control, vol.17, 4, 2022
4. M.Nagy, SR.Cowell, V.Beiu, Survey of Cubic Fibonacci Identities When Cuboids Carry Weight, International Journal of Computer, Communication & Control, vol.17, 2, 2022
5. N.Popescu-Bodorin, M.Nagy, A.Barbulescu, Dismounting the so-called Condorcet Drivers Paradox, ITQM 2022 conference Procedia Computer Science, Vol. 214, 2022, Pages 1077-1081
6. M. Nagy, V.F. Drăgoi, V. Beiu, Employing Sorting Nets for Designing Reliable Computing Nets, IEEE 20th International Conference on Nanotechnology (IEEE-NANO), 2020, Virtual Conference (Proceedings online), pp.370-375
7. J.L.Miranda, M.Nagy, M.Casquilho, Decision Making and Robust Optimization for Medicines Shortages in the Pharmaceutical Supply Chains, (Chapter 7 in Advanced Studies in Multi-Criteria Decision Making), Chapman and Hall / CRC Press, New York, p.123-146
8. E.D.Popovici, D.G.Negru, T.Olariu, M.Nagy, S.Dinu, G.Oprisan, L.Zota, L.M.Baditoiu, Application of the susceptible–infected–recovered deterministic model in a GII.P17 emergent norovirus strain outbreak in Romania in 2015, Infection and Drug Resistance, 2019, 12 , pp. 2543—2551
9. M.Popescu-Stelea, RI.Moraru, GB.Babut, M.Nagy, Employees protection in maintenance activities. A statistic image , Quality-Access to success, Vol.20, Suppl. 1,pp. 165-170
10. M.Nagy, SR.Cowell, V.Beiu, *Are 3D Fibonacci Spirals for Real? — From Science to Arts and Back to Science*, IEEE, ICCCC’18, May 08-12, Oradea, 2018 pp.91–96
11. R.Mareş, M.Nagy, RI.Moraru, *On the maintenance times of the work equipment in a representative manufacturing company*, SGEM 2018, Conference Proceedings, pp.619-624
12. S.Dinu, M.Nagy, DG.Negru, ED.Popovici, L.Zota L, G.Oprișan, *Molecular identification of emergent GII.P17-GII.17 norovirus genotype, Romania, 2015.* Euro Surveill. 2016; 21(7): pii=30141. DOI: http://dx.doi.org/10.2807/1560-7917.ES.2016.21.7.30141
13. M.Nagy, D.Negru. S.Hoară, Detecting broncho-pulmonaty cancer clusters in Arad County, Science and Innovation for Local and global Development, Proceedings of the International Conference, Szent Istvan Egyetem Publ. House, Békéscsaba, 2015, pp.76-82
14. M.Nagy, A.Negruşa, Using Electre Method for a Computer Assisted Decision in the Field of Public Acquisition in Romania, Proceedings of International Conference GIDNI, "Globalization and intercultural dialogue: multidisciplinary perspectives", Tg. Mureş, 2014, p.194-199
15. M.Nagy, D.Negru, I.R.Jurcă, V.Toma, Cancer statistics using spatial cluster methods, Medicine in Evolution, XX/3, 2014, pp.430-436
16. M.Nagy, D.Negru, Using clustering software for exploring spatial and temporal patterns in non-communicable diseases, European Scientific Journal, 10/33, 2014, pp.37-47
17. P.Tărchilă, M.Nagy, Comparative approach of the electronic contract and classical contract, in teaching the content of the New Civil Code in Romania, Procedia - Social and Behavioral Sciences, 2015, pp.464-468
18. M.Nagy, J.Miranda, Computer Application for Interactive Teaching of Decision Making Methods, AWERProcedia Information Technology & Computer Science. [Online]. 2013, 3, p.1584-1589
19. M.Nagy, V.Burcă, C.Butaci, G.Bologa, Simulating the Need of Working Capital for Decision Making in Investments, International Journal of Computer, Communication & Control, vol.8, 1, p.87-96, 2013
20. M.Vizental, M.Nagy, V.Burcă, Operative programming of the implementation and updating of project management to market a new product, Proceedings of the International Symposium “Research and Education in an Innovation Era”, Arad, 2012, p.67-74
21. J. Miranda, M.Nagy, A case of cooperation in the European OR education, European Journal of Engineering Education, Vol. 36, Issue 6, 2011, p. 571-583
22. A.Braşoveanu, M.Nagy, O.Mateuţ-Petrişor, R.Urziceanu, The Avatar in the Context of Intelligent Social Semantic Web, International Journal of Computer, Communication & Control, vol.5, 4, p.477-482, 2010
23. M.Nagy, S.Dzitac, M.Vizental – Educational spreadsheets for master students in management and business administration, Balkan region conference on engineering and business administration, Conference procediings, Sibiu, 2009, II – p.578-584
24. M.Nagy, M. Vizental, V.Burcă, An application of Probability Calculus Using MS-Excel, Proceedings of the International Symposium “Research and Education in an Innovation Era”, Arad, 2010, p.43-49
25. M.Nagy, N. Mărgean, V. Burcă, M. Vizental, Working with Array Formulas in MS-Excel, Proceedings of the International Symposium “Research and Education in an Innovation Era”, Arad, 2010, p.20-25
26. M.Nagy, M. Vizental, D. Manaţe, Using IT Tools for Project Management and Learning Community: the Case of SME Actor, Proceedings of the International Symposium “Research and Education in Innovation Era”, Mathematics and Computer science, Arad, 2008, p.204-215

 **Project manager, cooordinator, trainer or team member in EU projects.** Selection:

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| --- | --- | --- | --- | --- |
| **Project** | **Financing** | **Year of completion** | **Budget** |  **Website**  |
| * Industrial Districts’ Relocation Processes: Identifying Policies in the Perspective of EU
 | European FP5HPSE-CT2001-00098 | 2005 | 32.000 eur – partner | [www.west-east-id.net](http://www.west-east-id.net)partner coordinator |
| * Internet portal containing regional information dedicated to developing tourism and cross-border cooperation (webTourism)
 | Regional - transfrontalierPHARE CBCRO2002/000.628 .03–32 | 2004 | 43.880 eur | [www.arad-bekes.ro](http://www.arad-bekes.ro/)project coordinator  |
| * The development of a computer based instrument that applies to the firms from the crossborder area (webEco)
 | Regional - crossborderPHARE CBC RO2003/005.702 .02–08 | 2006 | 40.940 eur | [www.arad-bekes.ro](http://www.arad-bekes.ro/)project coordinator |
| * Institutional building-up of UAV-IT – Incubator. / General and specific IT incubation services.
 | NationalINFRATEH | 2005 /2007 | 250.000 / 200.000 eur | [www.itauav.ro](http://www.itauav.ro)project coordinator |
| * SMEs Action learning facilitaror
 | InternationalLEONARDO DA VINCI Ro/06/B/ F/PP175026 | 2008 | 26.600 eur – partner | [www.smeactor.eu](http://www.smeactor.eu)partner coordinator |
| * Formare profesională pentru îmbunătăţire continuă prin Six-Sigma
 | RegionalPHARE 2006/ 018-147.04.02. 02.01.503 | 2009 | Partener | IT course coordinator |
| * „WeSteer” - Support Actions for the Emergence of a Research-Driven Automotive Cluster in West Romania
 | InternationalFP7- REGIONS-2007-2 / contract no.205887 | 2010 | Partner for „Tehimpuls” | team member |
| * „TAMARO” – realizarea unei reţele de consultanţă pentru firmele româno-maghiare
 | Regional – crossborderHURO / 0801 - 58 | 2010 | 71.412 eur | [www.tamaro.hu](http://www.tamaro.hu)partner coordinator |
| * Arad-Gyula, Transport Masterplan
 | Regional – crossborderHURO / 0801 - 51 | 2010 | 37.000 eur, subcontractor | coordinator for UAV |
| * “CCSTN” - Research Center in Technical and Natural Sciences
 | Regional ID 1826, POSDRU, contract nr. 621/11.03.2014 | 2016 | 15.941.661 lei (3.542591 eur) | [http://cestn.uav.ro](http://cestn.uav.ro/) Lab coordinator(Analysis and Data processing) |
| * Ro-Boost SMEs
 | InternationalCOSME, ID 210232189 | On going |  | <https://een-romania.ro/en/ro-boost-smes/>Innovation expert |

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| Driving license | Category “B” |
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 Arad, 25.06.2025