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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](mailto: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 Sciences  Vice-president of The Regional Center for Innovation and Technology Transfer „TEHIMPULS”  Representative of “Aurel Vlaicu” University in IT&C CLUSTER  President of EDU4FUTURE Association  Member of the Register of ARACIS Assessors, committee 13  Lead auditor – with RINA-SIMTEX OC | | | | | | | | | | | | |
| Main activities and responsibilities | | Teaching and research activities  EU project management / Team member  Innovation 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 Sciences  Dean 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 CLUSTER  Member of the Academic Commission, Member of the Quality Assurance team  Member of the Register of ARACIS Assessors, committee 13  Lead auditor – with RINA-SIMTEX OC | | | | | | | | | | | | |
| Main activities and responsibilities | | Teaching and research activities, Manager, organizer, Poject management  Courses: Databases, Computer Systems in Accounting, Advanced Data Analysis, Decision Support Systems  ECDL – 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 Sciences  Head of Department, Vice/dean, then DEAN, memver of the Senate | | | | | | | | | | | | |
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| Main activities and responsibilities | | Manager, organizer, Head of the LLL Center  Teaching and research activities, Manager, organizer, EU project management  Course coordinator for LLL, post-graduate computer courses for economists and engineers, International economic relationships  ECDL – 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 engineers  Responsible 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, Romania  Coordinator 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 management  Penta Group Co, Intaly | | | | | | | | | | | | |
| **Dates** | | **1990-2002** | | | | | | | | | | | | |
| Title of qualification awarded | | Different type of certificates for computer, Programming, IT and research  Certificate 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, Timisoara  Project 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 Learning  Audit team leader | | | | | | | | | | | | |
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| Technical skills and competences | | Trainer, manager in education  Information management in economic ambient  Solar energy – storage methods, database processing  Databases  Consulting in quality, external auditor and lead auditor for QMS and ISMS, trainer  Basic 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 courses  7 books in collaboration, 3 synthesis book (coordinator and coauthor)  over 80 published papers, local and international, author or coauthor  Selection:   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:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Project** | **Financing** | **Year of completion** | **Budget** | | **Website** | | | * Industrial Districts’ Relocation Processes: Identifying Policies in the Perspective of EU | European  FP5  HPSE-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 - transfrontalier  PHARE CBC  RO2002/000.628 .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 - crossborder  PHARE 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. | National  INFRATEH | 2005 /  2007 | 250.000 / 200.000 eur | | [www.itauav.ro](http://www.itauav.ro)  project coordinator | | | * SMEs Action learning facilitaror | International  LEONARDO 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 | Regional  PHARE 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 | International  FP7- REGIONS-2007-2 / contract no.205887 | 2010 | Partner for „Tehimpuls” | team member | | | * „TAMARO” – realizarea unei reţele de consultanţă pentru firmele româno-maghiare | Regional – crossborder  HURO / 0801 - 58 | 2010 | 71.412 eur | [www.tamaro.hu](http://www.tamaro.hu)  partner coordinator | | | * Arad-Gyula, Transport Masterplan | Regional – crossborder  HURO / 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 | International  COSME, 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