Prof.univ. Dr.Ing. MARIANA NAGY
Department of Matematics and Computer Science
Faculty of Exact Sciences, „Aurel Vlaicu" University of Arad

Curriculum vitae Europass

Personal information

Surname(s) / First name(s)	**NAGY MARIANA**
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E-mail	mariana.nagy@uav.ro
Nationality	
Date of birth	
Gender	Female

Work experience

37 years

Dates	**At present**
Occupation or position held	Full professor at "Aurel Vlaicu" University, Arad, Faculty of Exact Sciences Member of the Senate, Member of the Academic Commission of the Senate Vice-president of The Regional Center for Innovation and Technology Transfer "Tehimpuls" Representative of "Aurel Vlaicu" University in IT&C CLUSTER
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	**2004-2020**
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) 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
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
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, Vasike 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

Education degree and Qualification	
Dates	**August 2019**
Title of qualification awarded	Certificat, 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	Company management
Name and type of organisation providing education and training	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

Mother tongue(s)	**Hungarian, Romanian at the same level as mother tongue**
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

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)
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

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

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

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] 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.

[2] 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

[3] 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

[4] 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

[5] 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

[6] 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

[7] 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

[8] 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

[9] S.Dinu, M.Nagy, DG.Negru, ED.Popovici, L.Zota L, G.Oprişan, *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

[10] 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

[11] 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

[12] M.Nagy, D.Negru, I.R.Jurcă, V.Toma, Cancer statistics using spatial cluster methods, Medicine in Evolution, XX/3, 2014, pp.430-436

[13] 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

[14] 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

[15] M.Nagy, J.Miranda, Computer Application for Interactive Teaching of Decision Making Methods, AWERProcedia Information Technology & Computer Science. [Online]. 2013, 3, p.1584-1589

[16] 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

[17] 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

[18] 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

[19] 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

[20] 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

[21] 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

[22] 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

[23] 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 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 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 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 project coordinator
▪ SMEs Action learning facilitaror	International LEONARDO DA VINCI Ro/06/B/ F/PP175026	2008	26.600 eur – partner	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 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 Lab coordinator (Analysis and Data processing)
▪ Ro-Boost SMEs	International COSME, ID 210232189	On going		https://een-romania.ro/en/ro-boos Innovation expert

Driving license	Category "B"

Arad, 15.09.2023

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