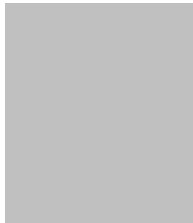## PERSONAL INFORMATION

Adrian Marius Deaconu

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- +40 268 412776
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Gender male | Nationality Romanian

WORKING PLACE POSITION

Transilvania University of Brașov, Faculty of Mathematics and Computer Science, Department of Mathematics and Computer Science
Associate Professor Dr. Habil. in Computer Science

PROFESsIONAL EXPERIENCE

- Associate Professor 2009 - present

Transilvania University of Brașov, Faculty of Mathematics and Computer Science, Department of Mathematics and Computer Science

- Assistant Professor 2003 – 2009

Transilvania University of Brașov, Faculty of Mathematics and Computer Science, Department of Theoretical Computer Science

- Assistant 1998 – 2003

Transilvania University of Brașov, Faculty of Mathematics and Computer Science, Department of Theoretical Computer Science

EDUCATION AND FORMATION

- Habilitation in Computer Science - West University of Timișoara, Romania, 2023
- PhD in Computer Science - Transilvania University of Brașov, Romania, 2005-2007
- Computer Science Master - Transilvania University of Brașov, Romania, 1997-1998
- Computer Science Bachelor - Transilvania University of Brașov, Romania, 1993-1997
- Computer Science high school from Brasov, Romania, 1989-1993

PERSONAL COMPETENCIES

NATIVE LANGUAGE

Romanian

OTHER LANGUAGES

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	Oral speech	
English	C1	C2	C2	C2	C2
Franch	A1	A1	A1	A1	A1

Management and organisational competencies	Inside Transilvania University of Brașov:
	▪ Member of the Council of the Faculty of Mathematics and Computer Science, 2023-present
	▪ Informatics Bachelor study program coordinator , 2021 – prezent
	▪ TMISS Master study program coordinator, 2021 – prezent
	▪ Member of the Council of the Department of Mathematics and Computer Science
	▪ Scientific coordinator of the Department of Computer Science, 2008-2010

Driver's license category	▪ B

Publications Presentations Projects Conferences Seminars Rewards Affiliations Referencies	-	More than 50 research papers published in scientific journals or in conference proceedings
	-	4 books (Romanian)
	-	2 book chapters (English)
	-	5 electronic format courses (Romanian)
	-	Coordinator of a Sfera III (Horizon 2020) research project, 2022-2023
	-	Member in 8 research projects
	-	Visiting professor at University College Cork (top 500), 2019-2020
	-	PhD supervisor in Computer Science affiliated at the Interdisciplinary Doctoral School from Transilvania University of Brașov, 2023-present
	-	Guest editor at 2 ISI journals
	-	Editor of European Journal of Mathematics and Applications
	-	Editor of Bulletin of the Transilvania University of Brașov Series III. Mathematics and Computer Science (Scopus indexed)
	-	Program committee (PC) member of two CORE A conferences: SIGCSE, ITICSE, 2020-2023
	-	Reviewer for more than 10 ISI journals
	-	Reviewer for Zentralblatt Math
	-	Member of the Romanian Mathematical Sciences Society (SSMR)
	-	Member in 3 committees of the evaluation of Computer Science PhP theses

Articles published in ISI journals or ISI proceedings (selection):

- A.M. Deaconu, J. Tayyebi (**2024**), Increasing the Maximum Capacity Path in a Network and Its Application for Improving the Connection Between Two Routers, *Tsinghua Science and Technology*, vol. 29(3), pp. 753-765, IEEE
- J. Tayyebi, M.-L. Rîtan, A.M. Deaconu (**2024**), Generalized Maximum Capacity Path Problem with Loss Factors, in *Proceedings of the 13th International Conference on Operations Research and Enterprise Systems* (ICORES 2024), Rome, Italy
- J. Tayyebi, A.M. Deaconu, H. Bigdeli, M. Niksirat (**2023**), Shortest path interdiction problem with convex piecewise-linear costs, *Computational and Applied Mathematics*, vol. 42, 309, Springer
- A. M. Deaconu, D. E. Spridon and L. Ciupală (**2023**), Finding minimum loss path in big networks, In *Proceedings of 22nd International Symposium on Parallel and Distributed Computing (ISPDC 2023)*, Bucharest, Romania, pp. 39-44, IEEE
- D. Spridon, A.M. Deaconu, L. Ciupală (**2023**). Fast CUDA Geomagnetic Map Builder. *International Conference on Computational Science and Its Applications* – ICCSA 2023, Athens, Greece, *Lecture Notes in Computer Science*, vol. 13956, Springer
- D.T. Cotfas, A.M. Deaconu, P.A. Cotfas (**2021**), Hybrid successive discretisation algorithm used to calculate parameters of the photovoltaic cells and panels for existing datasets, *IET Renewable Power Generation*, vol. 15(15), pp. 3661-3687, Wiley
- A.M. Deaconu, L. Majercsik (**2021**), Flow Increment through Network Expansion, *Mathematics*, *9*, 2308, MDPI
- R. Udroiu, A.M. Deaconu, C.-Ș. Nănău (**2021**), Data Delivery in a Disaster or Quarantined Area Divided into Triangles Using DTN-Based Algorithms for Unmanned Aerial Vehicles. *Sensors*, vol. *21*, 3572
- A.M. Deaconu, J. Tayyebi (**2020**), Inverse Maximum Capacity Path Problems under Sum-type and Max-type Distances and their Practical Application to Transportation Networks, *IEEE Access*, vol. 8, pp. 225957-225966, IEEE
- D.T. Cotfas, A.M. Deaconu, P.A. Cotfas (**2019**), Application of Successive Discretization Algorithm for Determining Photovoltaic Cells Parameters, *Energy Conversion and Management*, vol. 196, pp. 545-556, Elsevier

- J. Tayyebi, A. Deaconu (**2019**), Inverse Generalized Maximum Flow Problems, *Mathematics*, vol. 7(10), MDPI
- A. Deaconu, E. Ciurea (**2013**), Inverse feasibility problems of the inverse maximum flow problems, *Sadhana-Academy Proceedings in Engineering Sciences*, vol. 38(2), pp. 199-209, Springer
- C. Marinescu, A. Deaconu, E. Ciurea, D. Marinescu (**2010**), From Microgrids to Smart Grids: Modeling and Simulating Using Graphs, *OPTIM 12th Conference on IEEE*, Brașov, Romania, IEEE
- A. Deaconu (**2008**), The inverse maximum flow problem considering l∞ norm, *RAIRO-Operations Research*, vol. 42(3), pp. 401-414, Cambridge University Press
- E. Ciurea, A. Deaconu (**2007**), Inverse minimum flow problem, *Journal of Applied Mathematics and Computing*, vol. 23(1-2), pp. 193-203, Springer
- A. Deaconu (**2006**), Alternative algorithms for finding the conex components for a graph, *International Journal of Computers, Communications & Control*, vol. 1, pp. 175-180

Books (Romanian):

- G. Moise, E.S. Nicoară, A. Deaconu (**2021**), Grafuri și fluxuri în rețele. O abordare teoretică și aplicații practice, Editura Matrix Rom
- A. Deaconu, G. Moise, L.M. Sasu (**2020**), Inițiere în Java prin comentarii teoretice și aplicații, Editura Matrix Rom
- A. Deaconu (**2007**), Programarea în limbajele C/C++ și aplicații, Editura Albastră