Elisa Valentina Moisi

Nationality: Romanian │ **Gender:** Female │ **Phone number:** (+40) 259408226 (Work) │ **Email address:**

emoisi@uoradea.ro │ **Website:** prof.uoradea.ro/elisamoisi/ │

Address: str. Universității nr.1, 410087, Oradea, Romania (Work)

WORK EXPERIENCE

2022 – CURRENT Romania
ASSOCIATE PROFESSOR UNIVERSITY OF ORADEA, FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

- Course and lab activities: Introduction to Python Programming, Formal languages and translators
- Project and lab activities: User interface design, Artificial Intelligence, Java Programming

2016 – 2022 Romania
LECTURER UNIVERSITY OF ORADEA, FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

- Course and lab activities: Introduction to Python Programming, Formal languages and translators
- Project and lab activities: User interface design, Artificial Intelligence, Java Programming
Address Oradea, Romania

2008 – 2016 Romania
ASSISTANT LECTURER UNIVERSITY OF ORADEA, FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

- Project and lab activities: Introduction to web design (Applied Informatics II), Formal languages and translators, User interface design, Artificial Intelligence, Java Programming, Programming Languages
Address Oradea, Romania

EDUCATION AND TRAINING

2003 – 2007 Oradea, Romania
BACHELOR'S DEGREE University of Oradea, Faculty of Science, Mathematics and Computer Science

Address Oradea, Romania

2007 – 2009 Oradea, Romania
MASTER'S DEGREE University of Oradea, faculty of Electrical Engineering and Information Technology, Management in I

Address Oradea, Romania

2009 – 2014 Timisoara, Romania
PHD DEGREE Politehnica University of Timisoara, Computer Science and Information Technology

Address Timisoara, Romania

2015 Sibiu
CERTIFICATE IN LEARNING COMPETENCE Lucian Blaga University of Sibiu

Address Sibiu

2014 Oradea, Romania

CERTIFICATE IN LEADERSHIP International Communication School

- Preparation for leadership in the public policy process

Address Oradea, Romania

2014 Oradea, Romania

PROJECT MANAGER CERTIFICATE Asociatia casa de cultura a sindicatelor

Professional skills: leadership, communication, critical thinking, negotiating, risk management, cost management, task management, quality management

Address Oradea, Romania

06/2012 – 09/2013 Cluj-Napoca, Romania

CERTIFICATE IN CONTINUU FORMATION Technical University of Cluj-Napoca

- Development of the academic teaching career

Address Cluj-Napoca, Romania

LANGUAGE SKILLS

Mother tongue(s):   **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
HUNGARIAN	C2	C2	B2	C2	A2
FRENCH	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

ORGANISATIONAL SKILLS

Organisational skills - good organisational skills gained as a member of the Computer and Information Technology department's board
- good organisational skills gained as part of theorganizing committee of the International Conference on Engineering of Modern Electric Systems
- good team-leading skills gained as coordinating students projects

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills - good comunicaton skills gained through participating and organizing international conferences
- excellent contact skills with students gained through my experience in organizing students projects and team work

JOB-RELATED SKILLS

Job-related skills

Research area
- Discrete tomography
- Image processing, reconstruction and analysis
- Artificial Intelligence, Algorithms

Visiting positions
- staff training mobilities in Erasmus+ programs

Project participations
- HURO/0802/083-AF 2011-2012, University of Oradea, "Contributions to the efficient use of renewable energies in Bihor and Hajdu-Bihar ", expert in modeling and simulation 2012
- POSDRU/109/2.1/G/82033, 2012-2013, "Convergence of university practical training for integration with success in the labor market", position of expert in education 2012-2013

Memberships
- Romanian Society of Automation and Computer Engineering
- Research Center for Information Technology, Electronics and Automation – CCTIEA

Other activities
- Local organizer of EMES - International Conference on Engineering of Modern Electric Systems, University of Oradea

Publications
- participation at national and international conferences in the area of interest
- papers published in proceedings and journals in the area of interest

Book selection

- Gabor Gianina, Moisi Elisa, "Implementarea site-urilor web responsive", Editura Universităţii din Oradea ISBN 978-606-10-2119-2, 2020
- Elisa Valentina Moisi, „Binary Images Reconstruction for Discrete Tomography using Triangular Grid", – Editura Politehnica: Seria: 14 Nr: 21 ISSN: 2069-8216 ISBN: 978-606-554-884-8, 2014
- Ecaterina Vladu, Elisa Valentina Oneţ "Limbaje Formale şi Translatoare: Aplicaţii", Editura Universităţii din Oradea, ISBN 978-973-759-865-3, 2009

Publications selection

- E. Alexa, D. Zmaranda and E. V. Moisi, "Modeling and Solving the University Timetabling Problem using the Constraints Satisfaction Model: A Case Study," 2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-6, doi: 10.1109/ECAI52376.2021.9515060.
- N. E. Costea, E. V. Moisi and D. E. Popescu, "Comparison of Machine Learning Algorithms for Prediction of Diabetes," 2021 16th International Conference on Engineering of Modern Electric Systems (EMES), 2021, pp. 1-4, doi: 10.1109/EMES52337.2021.9484116.
- N. E. Costea and E. V. Moisi, "Fingerprint Authentication for Budget Application," 2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 2019, pp. 105-108, doi: 10.1109/EMES.2019.8795100.
- Benedek Nagy, Elisa Valentina Moisi: Memetic algorithms for reconstruction of binary images on triangular grids with 3 and 6 projections, Applied Soft Computing 52, 2017, pp. 549-565
- E. V. Moisi, T. Lukić, B. Nagy and V. Cretu, "Comparing memetic and simulated annealing approaches for discrete tomography on the triangular grid," 2015 IEEE 10th Jubilee International Symposium on Applied Computational Intelligence and Informatics, 2015, pp. 523-528, doi: 10.1109/SACI.2015.7208260.
- B. Nagy and E. V. Moisi, "Binary Tomography on the Triangular Grid with 3 Alternative Directions -- A Genetic Approach," 2014 22nd International Conference on Pattern Recognition, 2014, pp. 1079-1084, doi: 10.1109/ICPR.2014.195.
- E. V. Moisi, B. Nagy and V. I. Cretu, "Maximum flow minimum cost algorithm for reconstruction of images represented on the triangular grid," 2013 IEEE 8th International Symposium on Applied Computational Intelligence and Informatics (SACI), 2013, pp. 35-40, doi: 10.1109/SACI.2013.6608993.
- Elisa Valentina Moisi, Vladimir Ioan Cretu, Benedek Nagy: Reconstruction of Binary Images Represented on Equilateral Triangular Grid Using Evolutionary Algorithms, Soft Computing Applications, Advances in Intelligent Systems and Computing, 2013, pp.561-572.
- B. Nagy, E. V. Moisi and V. I. Cretu, "Discrete tomography on the triangular grid based on Ryser's results," 2013 8th International Symposium on Image and Signal Processing and Analysis (ISPA), 2013, pp. 801-806, doi: 10.1109/ISPA.2013.6703846.
- Elisa Valentina Moisi, Benedek Nagy, "Discrete Tomography on the Triangular Grid: a Memetic Approach", Proceedings of 7th International Symposium on Image and Signal Processing and Analysis (ISPA), 2011, pp. 579-584.