



Nr. Înregistrare *INT 2025.07.15. - 004769*

**În atenția Biroului Electoral Central UVT**

## **DOSAR de CANDIDATURĂ**

**pentru o poziție în Consiliul  
Departamentului de Științe Computaționale și Inteligență Artificială din  
cadrul  
Facultății de Informatică**

**Candidat: Lect. Univ. Dr. Ștefăniță Sebastian-Aurelian  
Departamentul de Sisteme Computaționale și Inteligență Artificială  
Facultatea de Informatică**

## PERSONAL INFORMATION



## Sebastian-Aurelian ȘTEFĂNIȚĂ

Office: Vasile Parvan Blvd., no. 4, room 014, Timisoara, Timis County, Romania, 300223

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[ro.linkedin.com/in/sebastianstefaniga](https://ro.linkedin.com/in/sebastianstefaniga)

[sebastian\\_stefaniga \(skype\)](https://sebastian_stefaniga.skype.com)

<http://staff.fmi.uvt.ro/~sebastian.stefaniga>

Sex Male | Nationality Romanian

## WORK EXPERIENCE

March 2024 - present

## Vice Dean

West University of Timisoara, Faculty of Mathematics and Computer Science, Computer Science Department, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.info.uvt.ro](http://www.info.uvt.ro)

Management activity: International affairs, industry collaboration and alumni community portfolio

Business or sector Higher Education & Research

February 2023 - present

## Assistant Professor

Tenured position at West University of Timisoara, Faculty of Mathematics and Computer Science, Computer Science Department, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.info.uvt.ro](http://www.info.uvt.ro)

Teaching activity: Web Design, Web Technologies, Intelligent Systems & Neural Networks, Robotic Process Automation

Research activity: Machine Learning, Signal and Image Processing, HPC Computing, Parallel Computing, Medical Informatics

Business or sector Higher Education & Research

November 2022 - present

## Delegate for Innovation &amp; Technology Transfer

Assimilate through the job description of Tenured position at West University of Timisoara, Center of Innovation & Technology Transfer, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, <https://www.uvt.ro/cercetare/cercetare-si-inovare/inovare-si-transfer-tehnologic>

Accelerate projects with the aim of start-ups development, lab-in-labs co-creation with the aim of developing projects in partnership with industry, train entrepreneurs alongside researchers, applied research & technology advancement.

Business or sector Higher Education & Research

January 2022 – July 2023

## Software Developer

Part-time position at E-Austria Institute, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.ieat.ro](http://www.ieat.ro)

Activity: Data science, Web development

Business or sector Technology Transfer

February 2018 – February 2023

### Teaching Assistant

Tenured position at West University of Timisoara, Faculty of Mathematics and Computer Science, Computer Science Department, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.info.uvt.ro](http://www.info.uvt.ro)

Teaching activity: Programming 1 (C language), Programming 2 (C++ language), Programming 3 (Java language), Web Design Basics, Web Technologies, Team Project, Security and Cryptography, Practice Stage

Research activity: HPC Computing, Image Processing, Machine Learning, Statistics, Parallel Computing

Business or sector Higher Education & Research

February 2023 – June 2023

January 2021 – January 2022

September 2019 – January 2020

### Associate Assistant Professor

Hourly paid position at "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Medicine, Functional Sciences Department, Discipline of Informatics and Medical Biostatistics, Sp. Tudor Vladimirescu no. 14, Timisoara, Timis, Romania, [www.umft.ro](http://www.umft.ro)

Teaching activity: Medical Informatics, Biostatistics

Business or sector Higher Education & Research

January 2020 – May 2020

### Visiting Instructor

Non-tenure position at Computer Science, Sewanee, the University of the South, Mathematics and Computer Science Department, College of Art and Science, Sewanee's J Program: P-1-04651, 735 University Ave, Sewanee, TN 37383-1000, United States of America, <https://new.sewanee.edu>

Teaching activity: (CSCI 284) Database Design with Web Applications, (CSCI 415) Security and Cryptography

Business or sector Higher Education

October 2016 – February 2018

### Associate Teaching Assistant

Hourly paid position at West University of Timisoara, Faculty of Mathematics and Computer Science, Computer Science Department, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.info.uvt.ro](http://www.info.uvt.ro)

Teaching activity: Programming 1 (C language), Programming 2 (C++ language), Programming 3 (Java language), Web Design Basics

Business or sector Higher Education

August 2015 – October 2016

### Consultant Specialist

Full-time position at Office of Innovation, Technology Transfer and Intellectual Property, West University of Timisoara, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.uvt.ro](http://www.uvt.ro)

Providing consultancy services for service contracts, collaboration, licensing or assignment and consortia agreements between partners or beneficiaries from the private sector or non-profit industry. Supporting for the national and international patent application, collaboration with external specialized consultants. Development of the potential international network of industrial partners for the purpose of research grant applications.

Business or sector Higher Education

February 2015 – July 2015

### Consultant Specialist

Full-time position at Office of Scientific Research and Academic Creation, West University of Timisoara, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.uvt.ro](http://www.uvt.ro)

Designing reports on scientific research and university creation. Development and maintenance of CMS university modules. Providing support for research grant applications. Identifying and disseminating calls for scientific research and academic creation grants.

Business or sector Higher Education

February 2015 – December 2016

### Lecturer

Contract paid position at R&B Consulting S.R.L., Independentei Str, no. 2B, Timisoara, Timis, Romania, [www.cursuriadulti.ro](http://www.cursuriadulti.ro)

Information Technology Training Courses: Microsoft Office Fundamentals & Advanced, Photo Editing and Processing, Operating Systems  
Management Training Courses: Assistant Manager

Business or sector Training Courses

October 2014 – December 2014

### System Software Engineer

Full-time position at R&B Consulting S.R.L., Independentei Str, no. 2B, Timisoara, Timis, Romania, [www.cursuriadulti.ro](http://www.cursuriadulti.ro), detached at National College of Banat, Highschool, Timisoara, Timis, Romania, [www.colegiulbanatean.ro](http://www.colegiulbanatean.ro)

Business or sector Information and Communication Technology, High School

May 2013 – June 2023

March 2024 – present

### Quality Assurance Assessor

Contract paid position at Romanian Agency for Quality Assurance in Higher Education, [www.aracis.ro](http://www.aracis.ro)

External quality assurance of Higher Education Institutions, with the aim of certification, according to the Romanian Quality Standards in HEIs

Business or sector Quality Assurance in Higher Education

## EDUCATION AND TRAINING

March - April 2023

### Postgraduate Certificate - Personal development for inclusive education at the level of academic communities

Romanian Academy, Center for Professionalization of University Management, Psychology, Domain, Victoriei Avenue, no. 1, Sector 1, Bucharest, Romania, <https://acad.ro>

September 2022

### Postgraduate Certificate - Counseling for guidance and professional development

Funded by the Romanian National Financing Council for Higher Education - Institutional Development - CNFIS-FDI-2022-0394

West University of Timisoara, Faculty of Sociology and Psychology, Department of Educational Sciences, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.fsp.uvt.ro](http://www.fsp.uvt.ro)

October 2021 – September 2023

### Master Graduation - Global Security Studies

West University of Timisoara, Faculty of Political Sciences, Philosophy and Communication Sciences, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.pfc.uvt.ro](http://www.pfc.uvt.ro)

Relevant courses: Analysis and Management of Information, Human security and sustainable development, Security, and intelligence studies: concepts, methods, thematic areas, Communication in the field of security, Constitutional Law applied in security studies, Transnational global governance, International Criminal Law, Cyber security

October 2020 – September 2021

### Master Diploma - Counseling and Educational Integration

West University of Timisoara, Faculty of Sociology and Psychology, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.fsp.uvt.ro](http://www.fsp.uvt.ro)

Master Thesis: "Facilities and challenges of technological and digital Infrastructure at the beginning

pandemic period in Romania", scientific coordinator: Prof. Ph.D. Simona Sava

Relevant courses: Education for cultural diversity, Specific intervention in autism, Applied statistics in education, Counseling and personal development, Advice on optimizing the learning process, Career counseling and vocational guidance, Educational counseling methods and techniques

June 2020 – January 2021

### Postgraduate Certificate - Problem-based Learning in Higher Education

Funded by the Romanian Operational Program (OP) "Human Capital" - POCU/320/6/21/121030

West University of Timisoara, Academic Development Center, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.cda.uvt.ro](http://www.cda.uvt.ro)

December 2019 – September 2020

### Postgraduate Certificate - UVT, Teaching and Learning Brand

Funded by the CNFIS - Institutional Development Fund - CNFIS-FDI-2019-0408

West University of Timisoara, Department of Teacher Training, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.ddpd.uvt.ro](http://www.ddpd.uvt.ro)

October 2018 – September 2020

### Master Diploma - Educational Management and Curriculum Development

West University of Timisoara, Faculty of Sociology and Psychology, Vasile Parvan Blvd., no. 4, Timisoara, Timis, Romania, [www.fsp.uvt.ro](http://www.fsp.uvt.ro)

Master Thesis: "Teaching & Learning Brand UVT - a new vision for teaching and learning Computer Science in Higher Education", Scientific coordinator: Assoc. Prof. Ph.D. Marian Ilie

Relevant courses: Organizational communication and leadership, Ethics and academic integrity, Management of the educational group, Management of educational organizations, Legislation and educational policies, Quality management in education, Curriculum management, Management of educational programs, Management of human resources and professional development

October 2016 – December 2021

### Ph.D. Diploma - Computer Science

West University of Timisoara, Faculty of Mathematics and Computer Science, Doctoral School of Computer Science, Vasile Parvan Blvd., no.4, Timisoara, Timis, Romania, [www.doctorat.uvt.ro](http://www.doctorat.uvt.ro)

Supervisor: Prof. Ph.D. Dana Petcu, West University of Timisoara, Romania

Co-supervisor: Prof. Ph.D. Debora Gil, Autonomous University of Barcelona, Spain

Courses: Cloud computing, Scientific writing and research project management, Special chapters of Artificial Intelligence

Dissertation Title: Contributions to the processing and analysis of biomedical images

Confirmation no. under Ministerial Order no. 3677 by 03.05.2022 with distinction Magna Cum Laude: [https://rei.gov.ro/teza-doctorat-document/8381596274bbdc39989-Teza\\_Stefaniga.pdf](https://rei.gov.ro/teza-doctorat-document/8381596274bbdc39989-Teza_Stefaniga.pdf)

March 2015 - June 2015

### Postgraduate Certificate - Teaching profession, Level II

Polytechnic University of Timisoara, Department of Teacher Training, Blvd. Vasile Parvan, no. 2 Timisoara, Timis, Romania ([www.upt.ro](http://www.upt.ro))

Access for teaching at upper secondary, tertiary, and higher educational levels.

October 2014 - present

### Master Diploma - Artificial Intelligence and Distributed Computing

West University of Timisoara, Faculty of Mathematics and Science, Vasile Parvan Blvd., no. 4 Timisoara, Timis, Romania ([www.info.uvt.ro](http://www.info.uvt.ro))

Master Thesis: "Methods of processing and morphological analysis of biomedical images in real time", scientific coordinator: Assist. Prof. Ph.D. Mihail Gaiănu

Relevant courses: Workflow Technologies, Multi-Agent Systems, Distributed Computing, Parallel Computing, Machine Learning, Systolic algorithms, Automated Proving of Theorems, Advanced Logic and Functional Programming

October 2012 – July 2014

### Postgraduate Certificate - Teaching profession, Level I

West University of Timisoara, Department of Teacher Training, Vasile Parvan, no. 4, Timisoara, Timis, Romania, [www.ddpd.uvt.ro](http://www.ddpd.uvt.ro)

Access for teaching at primary and lower secondary educational levels.

October 2011 – July 2014

### Bachelor Diploma - Applied Computer Science

West University of Timisoara, Faculty of Mathematics and Computer Science, Vasile Parvan Blvd., no. 4 Timisoara, Timis, Romania ([www.info.uvt.ro](http://www.info.uvt.ro))

Bachelor Thesis: "Object-Relational Mapping in Java Hibernate – Application for the management of medical institutions", scientific coordinator: Assoc. Prof. Ph.D. Victoria Iordan

Relevant courses: Artificial Intelligence, Distributed Systems, Operating Systems, Security and Cryptography, Graphics and User Interfaces, Java Programming, Programming C/C ++, Databases, Algorithms, Data Structures, Advanced Data Structures, Web Technologies, Programming real-time systems, Computer Architecture, Software Engineering, Networking Environments Design and Programming, Projects Management in Computer Science

September 2007 – July 2011

### Baccalaureate Diploma

Banat High School, Republicii Str., no.10, Otelu Rosu, 325700, Caras-Severin, Romania

Mathematics and Computer Science Program

Grade point: 9.87/10

## PERSONAL SKILLS

### Mother tongue

Romanian

### Other languages

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
Proficient user				
B2	B2	B1	B1	B2
Independent user				
A2	B1	A2	A2	A2
Basic user				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

### Communication skills

Excellent communication skills gained through my past voluntary service experience.

### Organizational / managerial skills

Excellent teamwork and leadership skills gained through my involvement in various international and national projects as a team member or leader, alongside serving as an affiliate member or board

member for various NGOs.

Computer skills	Programming languages & others: C/C ++, Java, JavaScript, HTML, CSS, PHP, Python, CUDAC/C++, Oracle Database, MATLAB, SPSS, RPA-UIPATH Operating Systems: Windows, GNU/Linux, MacOS Graphics: Adobe Creative Collection, Corel Collection
Driving license	European driving license, B category
Firearm license	Type C Firearm License

## ADDITIONAL INFORMATION

### Certifications / Qualifications:

1. Certificate of Completion of University Leadership Program, Romanian - American Foundation, Romania, Babson College: Success in Entrepreneurship Ecosystem Development Program, September 2024;
2. Professional Certificate - Google Cybersecurity, Coursera, October 2023 – January 2024, Certificate link [here](#)
3. Certificate of Completion with Exam on Natural Language Processing, High Performance Computing Center in Stuttgart, Germany, May – June 2024
4. Certificate of Participation of Informatics Europe Academic Leadership Development Course Academic Leadership Development Course, March - June 2024
5. Certificate of Competence - Virtual Learning Lab 2.0, European Networks of Living Labs, April - June 2023, <https://openlivinglabdays.com/virtual-learning-lab>
6. Diploma of Completion/ Academic Partnership - UiPath RPA Developer Foundation, November - December 2022, Certificate link [here](#)
7. Certificate of Completion - 6th Online e-learning seminar for university professors, Catholic University of "Santa Teresa de Jesus de Avila, Spain, June 2022, <https://www.ucavila.es>
8. Certificate of Attendance, Level I, II & III, ROSPIN Academy (Romanian Space Initiative), October 2021 – September 2022, <https://rospin.org/rospin-academy>
9. Practitioner Certificate, Coach Certification – Practitioner, Neuro Mindfulness Institute, 15 CCE Resource Development by the International Coach Federation, October 2021, Certificate link [here](#)
10. Certificate, Coaching methods and techniques in academic tutoring activities, 8 hours Course Certification funded by West University of Timisoara, Romania, International Association of Cognitive Behavioral Coaching, 13-14 November 2020, <https://www.iacbc.org>
11. Certificate, Periodic QA assessor training, Romanian Agency for Quality Assurance in Higher Education, 2013, 2017, 2018, <http://aracis.ro>
12. Specialization Certificate, Expert in European Structural Funds and the Cohesion Fund, R&B Consulting S.R.L., July - September 2015, <https://cursuriadulti.ro>
13. Refresher course, Entrepreneurial skills, R&B Consulting S.R.L., July - August 2015, <https://cursuriadulti.ro>
14. Certificate, Technology Transfer and Intellectual Property Course, Technical University of Cluj Napoca, Romanian Institute of Science and Technology, Romania, May 2015, <https://research.utcluj.ro>
15. Specialization Certificate, Specialist in Occupational Safety and Health Administration, R&B Consulting S.R.L., December 2014 - March 2015, <https://cursuriadulti.ro>
16. Specialization Certificate, Public Procurement Expert, R&B Consulting S.R.L., December 2014 - January 2015
17. Specialization Certificate, Trainer, R&B Consulting S.R.L., October 2014 - November 2014, <https://cursuriadulti.ro>
18. Refresher course, BLS (Basic Life Support) Certificate, Medical Students Organization Galati, Ambulance Service Support, Romania, August 2014, <http://ssmg.ro>
19. Refresher course, Project Manager, Core Fusion S.R.L., July - August 2014, <https://www.corefusion.ro>
20. Certificate, Management and Leadership, Regional Training Institute, Timisoara, Romania, May 2012



21. Certificate, Communication and Public Speaking, Regional Training Institute, Timisoara, Romania, May 2012
22. Proficiency Certificate of Professional Skills Certificate in Computer Science, Banat High School, Otelu Rosu, Caras-Severin, Romania, May 2011

#### Professional Affiliation:

1. Affiliate Member, International Association for the Advancement of Artificial Intelligence, December 2024 – present, <https://aaai.org>;
2. Affiliate Member, IEEE Computational Intelligence Society Membership, January 2024 - present, <https://cis.ieee.org>
3. Affiliate Member, Association for Computing Machinery, December 2023 - present, <https://www.acm.org>
4. Board member, Vice President, Romanian Society of Medical Informatics, September 2023 - present, <http://www.srimed.ro>
5. Board member, Media and Communications Coordinator, Romanian Society of Medical Informatics, August 2022 - September 2023, <http://www.srimed.ro>
6. Board member, Romanian Association for the Promotion of the Advanced Computational Methods in Scientific Research (ARCAS), May 2022 - present, [www.arcas.org.ro](http://www.arcas.org.ro)
7. Affiliate Member, American Mathematical Society, September 2022 - present, <https://www.ams.org>
8. Affiliate Member, Council of Doctoral School of Computer Science (student representative), West University of Timisoara, Romania, October 2020 - September 2021, <https://www.uvt.ro/cercetare/doctorat/studii-universitare-de-doctorat>
9. Affiliate Member, IEEE Engineering in Medicine and Biology Society, November 2019 - present, <https://www.embs.org>
10. Affiliate Member, IEEE Computer Society, November 2019 - present, <https://www.computer.org>
11. Affiliate member, Romanian Association for the Promotion of the Advanced Computational Methods in Scientific Research (ARCAS), April 2019 – present, [www.arcas.org.ro](http://www.arcas.org.ro)
12. Affiliate member, Romanian Association for Artificial Intelligence, October 2018 - present, <http://aria-romania.org>
13. Affiliate member, Romanian Society of Medical Informatics, January 2018 - present, <http://www.srimed.ro>
14. Member, Standing Committee of the Exact Sciences and Natural Sciences Specialty (C1), Romanian Agency for Quality Assurance in Higher Education (ARACIS), January 2017 - 2020, [www.aracis.ro](http://www.aracis.ro)
15. Affiliate Member, Council of Doctoral School of Mathematics, West University of Timisoara, Romania, October 2016 - October 2018, <https://www.uvt.ro/cercetare/doctorat/studii-universitare-de-doctorat>

#### NGO Affiliation:

1. Affiliate Member, Rotary Club Timisoara, Romania, May 2023 - present, <http://www.rotaractclubtimisoara.ro>
2. Treasurer, Rotaract Club Timisoara, Romania, July 2022 - June 2023, <http://www.rotaractclubtimisoara.ro>
3. President, Rotaract Club Timisoara, Romania, July 2021 - June 2022, <http://www.rotaractclubtimisoara.ro>
4. Treasurer, Rotaract Club Timisoara, Romania, July 2020 - June 2021, <http://www.rotaractclubtimisoara.ro>
5. Affiliate Member, Rotaract Club Timisoara, Romania, July 2019 - 2023, <http://www.rotaractclubtimisoara.ro>
6. Honorary President, Exact Sciences Students Association of West University of Timisoara, Romania, March 2016 - present, <https://asseut.uvt.ro>
7. Vice-president, National Union of the Romanian Students, April 2014 – August 2016, [www.unsr.ro](http://www.unsr.ro)
8. President, Exact Sciences Students Association of West University of Timisoara, Romania, May 2013 - March 2016, <https://asseut.uvt.ro>
9. Mentor, CoderDojo@UVT Initiative group, West University of Timisoara, Faculty of Mathematics and Computer Science, <https://www.coderdojo.ro/coderdojouvt>
10. Affiliate member, National Union of the Romanian Students, October 2011 - March 2016, [www.unsr.ro](http://www.unsr.ro)
11. Affiliate member, Exact Sciences Students Association of West University of Timisoara, Romania, October 2011 - March 2016, <https://asseut.uvt.ro>



## National/ International Conferences:

1. 25th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 2023, <https://synasc.ro>
2. RoMedINF 2023 - Healthcare Green Digital Ecosystems: From Data Analysis to Digital Twin, 14-15 September 2023, <https://romedinf.srimed.ro>
3. 24th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 2022, <https://synasc.ro>
4. 23rd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, December 2021, <https://synasc.ro>
5. Special Topic Conference - European Federation for Medical Informatics, November 2021, <https://stc2021.org>
6. RoMedINF 2021 - Digital Technology and Healthcare, 16-19 September 2021, <https://sites.google.com/view/romedinf-2021>
7. 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 2020, <https://synasc.ro>
8. 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 2019, <https://synasc.ro>
9. 10th Conference on Dynamical Systems Applied to Biology and Natural Sciences (DSABNS), Napoli, Italy, 3-6 February 2019, <https://esmtb.org/event-3606337>
10. 20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 2018, <https://synasc.ro>
11. International Symposium Research and Education in an Innovation Era 7th Edition, 17-20 May 2018, <https://www.uav.ro/academic/cercetare-stiintifica/apeluri-conferinte/isreie>
12. 9th Conference on Dynamical Systems Applied to Biology and Natural Sciences (DSABNS), Torino, Italy, 7-9 February 2018, <http://dsabns2018.rd.ciencias.ulisboa.pt>
13. 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 2017, <https://synasc.ro>

## Summer Schools/ Workshops:

1. FUTURE - Educational program for teachers and students, Build with passion - Romanian Commercial Bank edition, November - December 2021, <https://www.madalinahodorog.ro/future-bcr>
2. Problem Based-Learning (PBL) International Training, Maastricht University, Centre for International Cooperation in Academic Development ('MUNDO'), The Netherlands, financed under „Together universities and employers. An integrated system of innovative educational programs” – POCU/320/6/21/121030, June 2021, supervisor: MSc, MHPE Annechien Deelma
3. IBM workshop about Containers (OpenShift), 21 - 23 December 2020, supervisor: Florin Anton <https://www.ibm.com/ro-en>
4. Romanian Artificial Intelligence Days 2020, 2 - 4 December 2020, <https://days.airomania.eu/home>
5. European Computer Science Summit, 26 - 28 October 2020, <https://www.informatics-europe.org/ecss/program/schedule.html>
6. Computing Systems Weeks - European Network on High Performance, Edge And Cloud computing, October 2020, <https://www.hipeac.net/csw/2020/autumn-virtual>
7. 16th International Summer School on Advanced Computer Architecture and Compilation for High-performance Embedded Systems (ACACES), 6 - 17 July 2020, <https://www.hipeac.net/acaces/2020>
8. 3rd SME/HPC Summer School, 29 June - 01 July 2020, <https://www.sme-hpc.eu/summer-school>
9. Computing Systems Weeks - European Network on High Performance and Embedded Architecture and Compilation, Heraklion, Greece, October 2018, <https://www.hipeac.net/csw/2018/heraklion>
10. 2nd International Summer School on Deep Learning, 23 - 27 July 2018, Genova, Italy, <https://irdta.eu/deeplearn2018>
11. International Symposium Research and Education in an Innovation Era 7th Edition, 17 - 20 May 2018, <https://www.uav.ro/academic/cercetare-stiintifica/apeluri-conferinte/isreie/isreie-2020-1-1>
12. 4th International Winter School on Big Data, Timisoara, Romania, 22 - 26 January 2018, <https://irdta.eu/BigDat2018>
13. Summer School on Programming and Tuning Massively Parallel (PUMPS-PRACE) 2017, OpenCL and OpenACC programming, Polytechnic University of Catalunya, Spain, June 2017, <http://bcw.ac.upc.edu/PUMPS2017>
14. Summer School on Image Processing in Medical Applications, Polytechnic University of Bucharest, Romania, Cardiac Imaging, July 2016, <http://imag.pub.ro/ssima2016>
15. Summer School on Image Processing, University of Szeged, Informatics Institute, Hungary, with

project "Bicycle detection at street crossings", July 2015, <https://www.inf.u-szeged.hu/ssip/2015/projects.html>

- Grants:**
1. Local Manager - Sustainable Alliance Manager: Learning Experience towards Collaborative Skills with Green Consciousness, Erasmus + Programme 2021-2027, Key Action 2: Cooperation partnerships in higher education, no. 2023-1-ES01-KA220-HED-000157968, October 2023 – September 2026
  2. Team Member, Professor Tutor - Advice, Tutoring and Specific Training for efficient university education in the field of Mathematics and Computer Science, ROSE AG 412/SGU/SS/2023, November 2023 - July 2024, Manager Sen. Lect. Ph.D. Claudia Zaharia
  3. Team Member, Trainer, Tutor - Learning Center for Technology, Art, and Sport, ROSE AG 296/SGU/CI/III, November 2023 - August 2024, Manager: Nicoleta Stefu
  4. Team Member - Building a Culture of Counseling and Career Guidance in Continuous Career Development at WUT, CNFIS-FDI-2023-F-0697, September 2023 - December 2023, Manager: Muger Ciumageanu
  5. Team Member - WUT - Counseling and career guidance for a professionally Informed Community, CNFIS-FDI-2022-0394, September 2022 - December 2022, Manager: George Bunesco
  6. Research Team Member - Promoting equity and well-being in schools from disadvantaged backgrounds through action research - PESSCA, funded by the West University of Timisoara, Faculty of Sociology and Psychology, Manager: Ph.D. Leyla Safta-Zecheria, July - December 2021, <https://www.cercetare-actiune.org>
  7. Team Member, Junior researcher - Modernization of the computing and storage infrastructure of the Computer Science Research Center of the West University of Timisoara for offering cloud services and high-performance computing services - MOISE", ID 124S62, funded under Competitiveness Operational Program, April 2021 - June 2022, Manager: Prof. Ph.D. Viorel Negru
  8. Team Member, Junior Researcher - Transparent application deployment in a secure, accelerated and cognitive Cloud continuum (SERRANO), financed under Horizon 2020 no. 101017168/2020, April 2021 - December 2023, Local manager: Ph.D. Silviu Panica, Sen. Lect. Ph.D. Gabriel Iuhasz,
  9. Team Member, Practice Stage Expert - Quality practice for a successful career, POCU/626/6/13, Manager: Prof. Ph.D. Flavia Barna, November 2020 - October 2022.
  10. Team Member, Professor Tutor - Advice, Tutoring and Specific Training for efficient university education in the field of Mathematics and Computer Science, ROSE AG 389/SGU/SS/III, October 2020 - August 2021, Manager Sen. Lect. Ph.D. Claudia Zaharia
  11. Team Member, Lecturer - Institutional Development through Internationalization for Everyone at the West University of Timisoara Project, CNFIS-FDI-2020-0498, August 2020 - November 2020, Manager: Sen. Lect. Ph.D. Oana Ivan, <https://ri.uvt.ro/west-university-of-timisoara-late-summer-school>
  12. Team Leader - NVIDIA GPU Academic Grant, Jetson TX2, July 2017, <https://nvidia.my.site.com/HardwareGrant/s/Application>
  13. Team member, Software Developer, Work Package 4 Leader - InnoHPC - High-performance Computing for Effective Innovation in the Danube Region - Interreg - Danube Transnational Program, DTP1-1-260-1.1, February 2017 - June 2019, Local Manager: Prof. Ph.D. Dana Petcu, Prof. Ph.D. Viorel Negru, <http://www.interreg-danube.eu/approved-projects/innohpc>
  14. Team member - Management of Alumni Students Communication in Higher Education Institutions in Romania, POSDRU/86/1.2/S/56283, October 2013 – December 2013, Manager: National Union of the Romanian Students.

- Mobilities:**
1. Erasmus+, Autonomous University of Barcelona, Spain, Computer Vision Center, May 2023, Supervisor: Prof. Ph.D. Resina Debora Gil, [www.cvc.uab.es](http://www.cvc.uab.es)
  2. Erasmus+, Escola Superior de Artes e Design Porto, Portugal, April 2023, Supervisor: Antonino Jorge, <https://esad.pt>
  3. E-Austria Institute Grant, Faculty of Engineering at Universidad Tecnologica de Bolivar, Cartagena, Colombia, May 2022, Supervisor: Assoc. Prof. Ph.D. Edwin Puertas, <https://www.utb.edu.co>
  4. Erasmus+, Autonomous University of Barcelona, Spain, Computer Vision Center, April 2022, Supervisor: Prof. Ph.D. Resina Debora Gil, [www.cvc.uab.es](http://www.cvc.uab.es)
  5. UBB - Babes Bolyai University, Faculty of Mathematics and Computer Science, Department of Computer Science, Cluj Napoca, Romania, financed under „Together universities and employers. An integrated system of innovative educational programs” - POCU/320/6/21/121030, May 2021, Supervisor: Prof. Ph.D. Anca Andreica

6. University Sponsor Program- Sewanee's J Program: P-1-04651, Visiting Instructor in Computer Science, Sewanee the University of the South, College of Arts and Sciences, Mathematics and Computer Science Department, United States of America, January - May 2020, Supervisor: Prof. Ph.D. Matthew Rudd [www.new.sewanee.edu](http://www.new.sewanee.edu)
7. WUT International Research Visits, Grant CNFIS-FDI-2019-0108, Autonomous University of Barcelona, Spain, Computer Vision Center, 15 - 29 November 2019, Supervisor: Prof. Ph.D. Resina Debora Gil, [www.cvc.uab.es](http://www.cvc.uab.es)
8. Erasmus+, Autonomous University of Barcelona, Spain, Computer Vision Center, June - August 2019, Supervisor: Prof. Ph.D. Resina Debora Gil, [www.cvc.uab.es](http://www.cvc.uab.es)
9. Erasmus+, University of Genova, Department of Computer Science, Bioengineering, Robotics and System Engineering (DIBRIS), Italy, July 2018, Supervisor: Prof. Ph.D. Francesco Masulli, <https://dibris.unige.it>
10. Erasmus+, Autonomous University of Barcelona, Spain, Computer Vision Center, June-August 2017, Supervisor: Prof. Ph.D. Resina Debora Gil, [www.cvc.uab.es](http://www.cvc.uab.es)
11. Erasmus+, University of Azores, Ponta Delgada, Portugal, Faculty of Science and Technology, Research in Artificial Intelligence and Parallel Computing, Supervisor: Prof. Ph.D. Jose Manuel Veiga Ribeiro Cascalho, September 2017, <https://international.uac.pt>
12. Erasmus+, Las Palmas University, Gran Canarias, Spain, Faculty of Computer Science, Engineering, Scientific and Technological Center, January 2016, Supervisor: Prof. Ph.D. Jose Hernandez Daniel Sosa, [www.ulpgc.es](http://www.ulpgc.es)
13. CEEPUS, University of Szeged, Institute of Informatics, Hungary, July 2015, Supervisor: Prof. Ph.D. Antal Nagy, <https://www.inf.u-szeged.hu/ssip/2015>

## Invited speaker:

1. The Future of Business - organizations meet digital technologies Embracing high performance computing: Using new technologies to improve organizations' processes, procedures, practices and profitability, Panel discussion, 6th October 2020, <https://www.smeahpc.net>
2. Meet(up) HPC: powering business growth, HPC in practice Growing a successful research-industry collaboration: leAT Research Institute, 26th of May 2020, <https://www.smeahpc.eu>
3. StudIT - IT Scientific Student Session, Cryptocurrency and Blockchain Technology, 19th of May 2020, <https://asseut.uvt.ro>
4. Innovation Caffee, High Performance Computing use in Digital Health, Bucharest, Romania, December 2018, <http://ed9.cafeneauadeinovare.ro/speakers.html>

## Organizing committee:

1. RoMedINF 2023 - Healthcare Green Digital Ecosystems: From Data Analysis to Digital Twin, 14-15 September 2023, <https://romedinf.srimed.ro>
2. 6th Workshop on Digital Image Processing for Medical and Automotive Industry in the framework of SYNASC, September 2022, <https://synasc.ro/2022/dipmai-2022>
3. 24th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2022, <https://synasc.ro/2022>
4. 5th Workshop on Digital Image Processing for Medical and Automotive Industry in the framework of SYNASC, September 2021, <https://synasc.ro/2021/dipmai-2021>
5. 23rd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2021, <https://synasc.ro/2021>
6. 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2020, <https://synasc.ro/2020>
7. 4th Workshop on Digital Image Processing for Medical and Automotive Industry in the framework of SYNASC, September 2020, <https://synasc.ro/2020/dipmai-2020>
8. 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2019, <https://synasc.ro/2019>
9. 3rd Workshop on Digital Image Processing for Medical and Automotive Industry in the framework of SYNASC, September 2019, <https://synasc.ro/2019/dipmai-2019>
10. 27th Summer School on Image Processing, Timisoara, Romania, July 2019.
11. National Students Olympiad in Informatics, 12 - 14 April 2019, <https://info.uvt.ro/onis2019>
12. 20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2018, <https://synasc.ro/2018>
13. 2nd Workshop on Digital Image Processing for Medical and Automotive Industry in the framework of SYNASC, September 2018, <https://synasc.ro/2018/dipmai-2018>
14. 3rd InnoHPC training: Capacity building for HPC providers and SMEs on High-performance Computing for Effective Innovation in the Danube Region, Timisoara, Romania, September 2018,

- <https://www.interreg-danube.eu/approved-projects/innohpc/news>
15. 2nd InnoHPC training: Capacity building for HPC providers and SMEs on High-performance Computing for Effective Innovation in the Danube Region, Podgorica, Montenegro, June 2018, <https://www.interreg-danube.eu/approved-projects/innohpc/news>
  16. 4th International Winter School on Big Data, Timisoara, Romania, January 2018, <https://irdta.eu/BigDat2018>
  17. 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2017, <https://synasc.ro/2017>
  18. 1st Workshop on Digital Image Processing for Medical and Automotive Industry in the framework of SYNASC, September 2017, <https://synasc.ro/2017/dipmai-2017>
  19. InnoHPC High-performance Computing for Effective Innovation in the Danube Region in Science and Technology, September 2018, <https://www.interreg-danube.eu/approved-projects/innohpc/news>

#### Editorial/ Reviewer activity:

1. Associate Editor, Journal of Applied Medical Informatics, 2022, <https://ami.info.umfcluj.ro>
2. Reviewer, International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 2023, 2022, <https://synasc.ro>
3. Reviewer, IEEE International Symposium on Biomedical Imaging, 2024, <https://biomedicalimaging.org/2024>
4. Reviewer, Journal of BMC Medical Education, 2023, ISSN: 1472-6920, <https://bmcmmeduc.biomedcentral.com>
5. Reviewer, Journal of Applied Medical Informatics, 2022, <https://ami.info.umfcluj.ro>

#### ISI Journal Publications:

1. Ștefăniță, S.A.; Cordoș, A.A.; Ivascu, T.; Feier, C.V.I.; Muntean, C.; Stupinean, C.V.; Călinici, T.; Aluș, M.; Bolboacă, S.D. Advancing Precision Oncology with Digital and Virtual Twins: A Scoping Review. *Cancers* 2024, 16, 3817. <https://doi.org/10.3390/cancers16223817>
2. Ilesan, R.R.; Ștefăniță, S.-A.; Fleșar, R.; Beyer, M.; Ginghină, E.; Peștean, A.S.; Hirsch, M.C.; Perju-Dumbravă, L.; Faragó, P. In Silico Decoding of Parkinson's: Speech & Writing Analysis. *J. Clin. Med.* 2024, 13, 5573. <https://doi.org/10.3390/jcm13185573>
3. Farago, P.; Ștefăniță, S.-A.; Cordos, C.-G.; Mihaita, L.-I.; Hintea, S.; Peștean, A.-S.; Beyer, M.; Perju-Dumbrava, L.; Ilesan, R.R. CNN-Based Identification of Parkinson's Disease from Continuous Speech in Noisy Environments. *Bioengineering* 2023, 10, 531. <https://doi.org/10.3390/bioengineering10050531>
4. L.-R. Damian, R. Dumitrescu, V. T. Alexa, D. Focht, C. Schwartz, O. Balean, D. Jumanca, D. Obistoiu, D. Lalescu, S.-A. Ștefăniță, A. Berbecea, A. D. Fratila, A. D. Scurtu, A. Galuscan, Impact of Dentistry Materials on Chemical Remineralisation/Infiltration versus Salivary Remineralisation of Enamel-In Vitro Study. *Journal of Materials*, 2022, 15(20), 7258-7258, <https://www.mdpi.com/1996-1944/15/20/7258>.
5. L. R. Damian, R. Dumitrescu, D. Jumanca, R. S. Rosianu, A. Matichescu, O. Balean, A. Podariu, S. A. Ștefăniță, A. Galuscan, Clinical Study Regarding the Property of Composite Resin, Sealants, using VISTACAM iX, *Journal of Plastic Materials*, Vol. 56, no. 1, p. 138-143, March 2019, ISSN 0025 – 5289, <http://www.revmaterialeplastice.ro/pdf/28%20DAMIAN%201%2018.pdf>;
6. C. Dumitru, N. C. Mlandin, M. Craina, I. Petre, L. C. Moleriu, R. Bardan, D. C. Bonte, E. Ungureanu, S. A. Ștefăniță, R. Susan, E. Pop, N. Suci, Can be Considered the CA-125 and Neutrophil-to-lymphocyte Ratio Values as a Diagnostic Value in Ovarian Endometriosis?, *Journal of Chemistry*, Vol. 69, no. 12, p. 3561-3565, December, 2018, ISSN 0034-7752, [http://www.revistadechimie.ro/article\\_eng.asp?ID=6792](http://www.revistadechimie.ro/article_eng.asp?ID=6792).

#### Indexed Journal Publications:

1. CORDOȘ, Ariana-Anamaria, Sebastian-Aurelian Ștefăniță, and Călin Muntean. "Leveraging ChatGPT for digital healthcare speech writing." *Applied Medical Informatics* 46.1 (2024): 5-15.
2. Leyla Safta-Zecheria, Sebastian-Aurelian Ștefăniță, Ioana-Alexandra Negru, Francisca-Hortensia Virag, Challenges experienced by teachers regarding access to digital instruments, resources, and competences in adapting the educational process to physical distancing measures at the onset of the COVID-19 pandemic in Romania, *Journal of Educational Sciences*, vol. 21, no. 2, p. 69-86, December 2020, ISSN 2457 – 8673, DOI 10.35923/JES.2020.2.05
3. Leyla Safta-Zecheria, Sebastian-Aurelian Ștefăniță, Ioana-Alexandra Negru, Francisca-Hortensia Virag, Anca Margineanu, Collaborative learning in an action research project responding to



challenges of online education during the covid-19 pandemic, Journal of pedagogy, no. 1, 2021, LXIX (1):7-29. DOI: 10.26755/RevPed/2021.1/7

# ISI Conference Proceedings Publications:

1. Gherghinescu, Mihai, Todor Ivașcu, and Sebastian Ștefăniță. "Adaptive Traffic Management System Based on Real-Time Traffic Conditions." Asian Conference on Intelligent Information and Database Systems. Singapore: Springer Nature Singapore, 2024.
2. Ștefăniță, S., Cernăianu, I., Ivașcu, T. (2024). Deep Learning-Based Multiple Skin Lesion Classification. In: Costin, HN., Magjarević, R., Petroiu, G.G. (eds) Advances in Digital Health and Medical Bioengineering. EHB 2023. IFMBE Proceedings, vol 109. Springer, Cham. [https://doi.org/10.1007/978-3-031-62502-2\\_89](https://doi.org/10.1007/978-3-031-62502-2_89)
3. Zîmpău-Valah, B., Ștefăniță, S., Ivașcu, T., Dănciulescu, R. (2024). Machine Learning-Based X-ray Images Classification. In: Costin, HN., Magjarević, R., Petroiu, G.G. (eds) Advances in Digital Health and Medical Bioengineering. EHB 2023. IFMBE Proceedings, vol 111. Springer, Cham. [https://doi.org/10.1007/978-3-031-62523-7\\_42](https://doi.org/10.1007/978-3-031-62523-7_42)
4. Ionascu, A., Stefaniga, S., Gaianu, M. (2023). Synthetic Football Sprite Animations Learned Across the Pitch. In: Nguyen, N.T., et al. Advances in Computational Collective Intelligence. ICCCI 2023. Communications in Computer and Information Science, vol 1864. Springer, Cham. [https://doi.org/10.1007/978-3-031-41774-0\\_48](https://doi.org/10.1007/978-3-031-41774-0_48)
5. A. Ionascu and S. Stefaniga, "Semi-Supervised Pipeline for Human Sprites Neural Rendering," 2022 24th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Hagenberg/Linz, Austria, 2022, pp. 264-267, doi: 10.1109/SYNASC57785.2022.00049.
6. B. Budihala, T. Ivașcu and S. Stefaniga, "Motorage - Computer vision-based self-sufficient smart parking system," 2022 24th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Linz, Austria, 2022, pp. 250-257, doi: 10.1109/SYNASC57785.2022.00047
7. S. A. Stefaniga, Methods of acceleration for feature extractions in medical imaging using GPU processing, 2021 23rd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2021, doi: 10.1109/SYNASC54541.2021.00047
8. I. A. Tarba, M. Gaianu, S. A. Stefaniga, The Driver's Attention Level, 2020 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2020, pp. 251-258, doi: 10.1109/SYNASC51798.2020.00048
9. A. Ionascu, S. A. Stefaniga, DS Lab Notebook: A new tool for data science applications, 2020 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2020, pp. 310-314, doi: 10.1109/SYNASC51798.2020.00056
10. S. Stefaniga and M. Gaianu, An Approach of Segmentation Method Using Deep Learning for CT Medical Images, 2019 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2019, pp. 273-279, doi: 10.1109/SYNASC49474.2019.00045
11. Debora Gil, Antonio Esteban Lansaque, Sebastian Stefaniga, Mihail Gaianu, Carles Sanchez, Data Augmentation from Sketch, International Workshop CLIP 2019, held in conjunction with MICCAI 2019, Shenzhen, China, October 17, 2019 (Vol. 11840, pp. 155–162), DOI: 10.1007/978-3-030-32689-0\_16
12. V. D. Chiriac, L. Stelea, M. Craina, C. Balasan, A. Fogarassy, S. A. Stefaniga, A. Furau, M. Salapa, Infectious Pathology in HSIL Lesions – Statistical Data, Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.167-172, ISBN 978-88-85813-48-9
13. L. Stelea, M. Craina, C. Balasan, V. D. Chiriac, A. Fogarassy, S. A. Stefaniga, A. Furau, Genital Infection of Human Papillomavirus: Incidence and Risk Factors in a Cohort in the Western Part of Romania – Babes Papanicolaou Test, Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.597-601, ISBN 978-88-85813-48-9
14. L. Stelea, M. Craina, C. Balasan, V. D. Chiriac, A. Fogarassy, S. A. Stefaniga, A. Furau, Can Inflammation Cause LSIL? Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.602-607, 2018, ISBN 978-88-85813-48-9
15. L. Stelea, M. Craina, C. Balasan, V. D. Chiriac, A. Fogarassy, S. A. Stefaniga, A. Furau, Infectious Factors Involved in the Occurrence of LSIL Lesions, Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.608-612, 2018, ISBN 978-88-85813-48-9
16. Sebastian-Aurelian Stefaniga, Mihail Gaianu, Face detection and recognition methods using deep learning in autonomous driving, Proceedings of 20th International Symposium on Symbolic and Numeric Algorithm for Scientific Computing, 2018, DOI: 10.1109/SYNASC.2018.00060

17. Sebastian-Aurelian Ștefaniga, Mihail Gaianu, Performance analysis of morphological operation in CPU and GPU for medical images, Proceedings of 19th International Symposium on Symbolic and Numeric Algorithm for Scientific Computing, 2017, DOI: 10.1109/SYNASC.2017.00068

#### National Conference Proceedings Publications:

1. I. Petre, F. Barna, M. Craina, L. Moleriou, S. Iurciuc, V. Turi, I. Petre, S. A. Ștefaniga, Cost-Effectiveness Assessment of Surgical Treatment of Cervical Cancer, Proceedings of the Annual Days of the National Institute for Mother and Child Health "Alessandrescu-Rusescu", 21-23 November 2019, Bucharest, Romania, p.416-420, ISBN 978-88-85813-86-1
2. I. Petre, F. Barna, A.V. Popescu, L. Moleriou, M. Craina, S. A. Ștefaniga, Cost-Effectiveness Assessment in the Early Detection of Risk for Preeclampsia, Proceedings of the Annual Days of the National Institute for Mother and Child Health "Alessandrescu-Rusescu", 21-23 November 2019, Bucharest, Romania, p.416-420, ISBN 978-88-85813-86-1
3. A.V. Popescu, M. Craina, M. Popescu, P. Stelian, S. A. Ștefaniga, E. V. Lazureanu, A. C. Ilie, Correlations Between the Characteristics of the Menstrual Cycle and the Risk of Endometriosis, Proceedings of the XV Conference of The Romanian-German Society of Obstetrics and Gynecology and V National Congress of the Romanian Association of Menopause, 06-08 June 2019, Timisoara, Romania, p.416-420, ISBN 978-88-85813-76-2

#### Books/ Book Chapters:

1. Mugur D. Ciumageanu, Diana-Luisa Avram, Mihaela Mitescu-Manea, Ioana Alexandra Negru, Leyla Safta-Zecheria, Francisca Hortensia Virag, Sebastian Ștefaniga. Concept mapping and emic participatory community-based research with youth in the times of the Covid-19 pandemic, in Challenges and constraints in the knowledge society, Conference Proceedings Teachers for Knowledge Society, 24 - 25 September 2021 Ploiesti, Romania, European Institute, pp. 11 -16. <http://conference2021.masterprof.ro/index.php/en/conference-volume>
2. Mihaela Mitescu-Manea, Diana-Luisa Avram, Mugur D. Ciumageanu, Ioana Alexandra Negru, Leyla Safta-Zecheria, Sebastian Ștefaniga, Francisca Hortensia Virag. Ethical implications of youth participation in educational action research in the context of the COVID-19 pandemic, in Challenges and constraints in the knowledge society, Conference Proceedings Teachers for Knowledge Society, 24 - 25 September, 2021 Ploiesti, Romania, European Institute, pp. 237 -242. <http://conference2021.masterprof.ro/index.php/en/conference-volume>
3. Leyla Safta-Zecheria, Diana-Luisa Avram, Mugur D. Ciumageanu, Mihaela Mitescu-Manea, Ioana Alexandra Negru, Sebastian Ștefaniga, Francisca Hortensia Virag. Researching equity and wellbeing in schools in the time of COVID-19 through youth-led participatory action research. Some methodological observations on useful tools for the emotional development of school-age children, in Challenges and constraints in the knowledge society, Conference Proceedings Teachers for Knowledge Society, 24 - 25 September 2021 Ploiesti, Romania, European Institute. pp. 41 - 47; <http://conference2021.masterprof.ro/index.php/en/conference-volume>
4. Sebastian-Aurelian Ștefaniga, Chapter Transnational HPC Infrastructure in the Danube Region, Go with the flow: High Performance Computing and Innovations in the Danube Region, p. 73-84, Vega Press Ltd., ISBN: 978-1-909736-11-5, Link [here](#)
5. Sebastian-Aurelian Ștefaniga, Viorel Negru, Marius Mitroi, Chapter HPC National Case Study in the Danube Region: Moldova, GO WITH THE FLOW: High Performance Computing and Innovations in the Danube Region, p. 168-178, Vega Press Ltd., ISBN: 978-1-909736-11-5, Link [here](#)
6. Elena Simion, Anamaria Farcasanu-Navar, Sebastian-Aurelian Ștefaniga, Chapter HPC National Case Study in the Danube Region: Romania, GO WITH THE FLOW: High Performance Computing and Innovations in the Danube Region, p. 168-178, Vega Press Ltd., ISBN: 978-1-909736-11-5, Link [here](#)

- Abstracts Publications:**
1. Zimpau-Valah, B. M., Stefaniga, S. A., Ivascu, T., & Danculescu, R. (2023). X-Ray Image Classification Methods using Artificial Intelligence Techniques. Applied Medical Informatics, 45, S13-S13.
  2. Vernic, C., Csutak, B., Bedreag, O. H., Stefaniga, S. A., & Muntean, C. (2023). The Future of Critical Care: Innovations in Patient-Centered Technology. Applied Medical Informatics, 45, S20-S20.
  3. Flesar, R. C., Stefaniga, S. A., Farago, P., & Ilesan, R. R. (2023). Artificial Intelligent Model for Parkinson's Disease Management. Applied Medical Informatics, 45, S12-S12
  4. S. A. Stefaniga, A.R. Asofroniei, SmartRay–An AI-Based Module for Medical Images Processing, Applied Medical Informatics 43, 28-28, 2021
  5. S. A. Stefaniga, Fine-Tuned Medical Images Denoising using Median Filtering, Applied Medical Informatics 43, 27-27, 2021
  6. S. A. Stefaniga, T. Florea, VitaWise-AI-based Healthcare Application, Applied Medical Informatics 43, 29-29, 2021

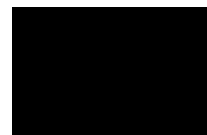
- Posters Presentation:**
1. Radu Flesar, Sebastian-Aurelian Stefaniga, Paul Farago and Robert Radu Ilesan, Poster Session. Artificial Intelligent Model for Parkinson's Disease Management. Romanian AI Days 2023, Brasov, September 2023 (<https://days.airomania.eu>)
  2. Radu Flesar, Sebastian-Aurelian Stefaniga, PhD. Poster Session. Patient gait monitoring classification for Parkinson's disease. Workshop Trust-AI, Diaspora 2023, April 2023 (<https://www.diaspora-stiintifica.ro>)
  3. Sebastian-Aurelian Stefaniga, Mihail Gaianu, Poster Sessions, Medical Image Processing using NVIDIA Deep Learning GPU Training System, 10th Conference on Dynamical Systems Applied to Biology and Natural Sciences, Napoli, Italy, 3-6 February 2019.

- Awards/ Scholarships:**
1. Certificate of achievement – winning team of Level III – Mission Design of a Lunar Satellite Constellation for Communication and Navigation, ROSPIN Academy (Romanian Space Initiative) September 2022, <https://rospin.org/rospin-academy>
  2. Ambassador of ROSPIN (Romanian Space Initiative), December 2021 – December 2023
  3. Ambassador of IEEEExtreme 15.0 Competition, Romania Section Lead, Region 8, March-October 2021, <https://ieeextreme.org>
  4. Teaching Grant, UVT teaching & learning brand, CNFIS-FDI-2020-0274, Manager Assoc. Prof. Ph.D. Marian Ilie, December 2020, <http://cda.uvt.ro>
  5. Ambassador of IEEEExtreme 14.0 Competition, Romania Section Lead, Region 8, March-October 2020, <https://ieeextreme.org>
  6. Research Ph.D. Grant, SC. Continental Automotive Romania SRL for the innovative proposal of the doctoral thesis and the research activity, October 2017-October 2019
  7. Research Award of West University of Timisoara, Romanian Ministry of Education Funds, Project Manager Assoc. Prof. Ph.D. Madalin Bunoiu, October 2018.

- Indexing services:**
- WoS Researcher: U-8198-2019
  - Scopus: 57205019626
  - Google Scholar: xfausIAAAJ
  - ResearchGate: Sebastian\_Aurelian\_Stefaniga
  - ResearcherID: 3046417
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17.07.2025

**Contact persons:** Available upon request.





**SCRISOARE DE MOTIVARE  
PENTRU SUSȚINEREA CANDIDATURII PENTRU MANDATUL DE MEMBRU AL  
CONSILIULUI DEPARTAMENTULUI DE ȘTIINȚE COMPUTAȚIONALE DIN  
CADRUL FACULTĂȚII DE INFORMATICĂ**

Subsemnatul, Lect. univ. drd. Ștefăniță Sebastian-Aurelian, angajat al Universității de Vest, prin prezenta doresc să vă aduc la cunoștință candidatura mea pentru obținerea unui mandat de membru al Consiliului Departamentului de Științe Computaționale și Inteligență Artificială din cadrul Facultății Informatică pentru perioada 2025-2029.

Activitatea desfășurată în Universitatea de Vest din Timișoara, a început în 2015, pe funcția de referent de specialitate în cadrul Departamentului de Cercetare, Oficiul de Transfer Tehnologic și Proprietate Intelectuală, iar activitatea didactică a debutat în anul 2016. În tot acest timp pe lângă activitatea didactică m-am implicat în diverse activități administrative și de cercetare, atât la nivelul facultății cât și la nivelul UVT.

Apreciez că întreaga mea activitate, conform CV-ului atașat, reflectă faptul că mi-am dezvoltat competențele profesionale necesare și m-am implicat cu succes în activitățile didactice și cele administrative de la nivelul Facultății de Matematică și Informatică, Departamentului de Informatică în perioada 2016 - 2025.

Desfășurarea activităților specifice, pentru fiecare nivel organizatoric unde am fost implicat, consider că a fost marcată de urmărirea coagulării unui spirit de echipă, colegialitate, moralitate și etică profesională. De asemenea, consider că, modul în care am gestionat diversele responsabilități asumate până în acest moment, constituie o garanție că și în mandatul următor pot să mă implic în desfășurarea unei activități performante în cadrul Departamentului de Științe Computaționale și Inteligență Artificială în cadrul Facultății de Informatică.

Din anul 2013 sunt membru evaluator al Agenția Română de Asigurare a Calității în Învățământul Superior, iar în perioada 2016-2020 am fost membru permanent al Comisiei de specialitate Științe Exacte și Științe ale Naturii, participând activ în misiuni de evaluare a programelor de studii de licență, master și doctorat la peste 30 de instituții de învățământ superior din România. În toată această perioadă am contribuit activ la revizuirea și elaborarea

periodică, pe baza bunelor practici, a standardelor naționale de referință și a indicatorilor de performanță pentru evaluarea și asigurarea calității în învățământul superior. Din anul 2021 sunt membru al Consiliului Departamentului de Informatică. Din această calitate m-am implicat în procesul de asigurare a calității prin autorizarea a două programe de studii de licență și am contribuit la procesul de autoevaluare a programelor de studii de licență și master din Domeniul Informatică. Totodată am contribuit la procesul de internaționalizare și promovare al departamentului.

Candidez pentru poziția de membru în Consiliul Departamentului de Științe Computaționale și Inteligență Artificială, cu credința că experiența dobândită mă va ajuta la îmbunătățirea activității care urmează să o desfășor în cadrul acestuia.

Ca viitor membru îmi propun să contribui la consolidarea culturii organizaționale democratice la nivelul departamentului, la dezvoltarea unui cadru legislativ coerent și transparent, la îmbunătățirea politicilor academice specifice mediului nostru universitar, în domeniul Informaticii.

Dintre principiile și valorile care m-au ghidat în activitatea mea fac parte:

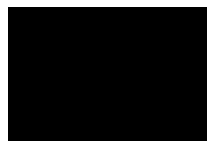
- claritate, transparența și coerență în privința regulilor și a normelor stabilite, a documentelor de politici academice și a acțiunilor întreprinse;
- promovarea principiului meritului dar și a principiului echității, cu respect pentru diversitatea și complementaritatea domeniilor de cercetare și de formare din UVT.

Sunt convins că numai împreună, cadrele didactice, personalul administrativ precum și studenții, putem să dezvoltăm Departamentul de Științe Computaționale și Inteligență Artificială într-un loc de muncă dinamic, prosper academic și social.

Dragi colegi, vă rog să primiți expresia întregii mele considerații!

Timișoara,  
15.07.2025

Ștefăniță Sebastian-Aurelian



## DECLARAȚIE PE PROPRIA RĂSPUNDERE

Subsemnatul Ștefăniță Sebastian-Aurelian, cetățean român, angajat al Universității de Vest din Timișoara, pe funcția de Lector Universitar, în cadrul Facultății de Matematică și Informatică, Departamentul de Informatică, cunoscând prevederile art. 326 din Codul penal cu privire la falsul în declarații, după luarea la cunoștință a conținutului Ordonanței de urgență a Guvernului nr. 24/2008 privind accesul la propriul dosar și deconspirarea Securității, declar prin prezenta, pe propria răspundere, că nu am fost lucrător al Securității sau colaborator al acesteia, în sensul art. 2 lit. a) și lit. b) din ordonanța de urgență.

Data,  
15.07.2025

Semnătura,  
Ștefăniță Sebastian-Aurelian

