

CURRICULUM VITAE

Personal information

Name, Surname:	Răzvan BOLOGA		
Date of birth:		Sex:	M
Nationality:	Romanian		
Researcher unique identifier(s) (ORCID, Researcher ID etc.):	ORCID: 0000-0001-9738-4677 Web of Science ResearcherID: JTT-2104-2023 https://scholar.google.com/citations?user=OZsb908AAAAJ&hl=ro&oi=ao		
URL for personal website (if case):			

Education

Year	Faculty/department - University/institution - Country
2006	<i>Ph. D. in computer science</i> <i>The Bucharest University of Economic Studies, Faculty of Cybernetics and Computer Science</i>
2002	Master degree Computerized Project Management, The Bucharest University of Economic Studies, Faculty of Cybernetics and Computer Science
2000	Bachelor degree Computer Science, The Bucharest University of Economic Studies, Faculty of Cybernetics and Computer Science

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2001 - present	Professor at the Computer Science Department, The Bucharest University of Economic Studies, Romania. Teaching integrated information systems, artificial intelligence, and cybersecurity
2004 - present	Director of SIMPRE Master Program, The Bucharest University of Economic Studies, Romania. The program provides students with advanced training in information systems, data analysis, AI, cybersecurity, project management, and business IT strategies.
2017 - present	CEO and co-founder Nextlab.tech(start-up company in Artificial Intelligence) , Bucharest, Romania. Nextlab.tech is a forward-thinking AI-based educational platform focused on fostering STEM , cloud, AI, cybersecurity, robotics and IoT. As of 2024 it has a user base of 1 million.
2012 - present	President CyberKnowledgeClub(non-profit association), Bucharest Romania. An innovative research & innovation hub dedicated to fostering knowledge and expertise in AI, cybersecurity, STEM and information technology. CKC has created Southeast Europe's largest robotics competition for children.
2020-2024	Vicepresident of the University Senate ,The Bucharest University of Economic Studies, Romania Head of Commission for Monitoring Excellence in Research, Development, Innovation

2004 - 2017	Partner & Manager Crystal System Group, Limassol, Cyprus
2000 - 2004	CEO&Co-founder Thinkingdeep Software, Bucharest, Romania
2000 - 2001	Partner&Technical Manager Bilboes Limited(start-up company), London, UK

Career breaks (if case)

Year	Reason
none	none

Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project title - Role – Funder – Budget – link to project webpage
2018-2019	Project Title: “Increasing the Economic Research Capacity through Development of Transdisciplinary Research Infrastructure” Role: Director Project Type: PFE 2 000 000 lei(EUR 400k)
2014-2015	Project Title: “Development and Modernization of the Curriculum in the Field of computer science (DEZIE)” Role: Director Project Type: FSE 2 500 000 lei(EUR 500k)
2010-2011	Project Title: “Modernization of Academic Education through a University Governance IT System(SIMUR)” Role: Technical Director Project Type: FSE 17 000 000 lei(EUR 4.8m)
2021-2023	Project manager for implementing AI technologies in a large scale educational infrastructure Role: Project manager for AI Project type:privately funded, Budget:3.1m euro
2008-2017	Project manager for implementing IT systems in the area of SAP, Oracle and Microsoft ERP and BI technologies for various public and private organizations Role: project manager Project type: privately funded Budget:11m euro(total)
2021-2024	Project title: “Governance for Inclusive Vocational Excellence” , VET-COVE -Centres of Vocational Excellence, application no. 621199-EPP-1-2020-1-IT-EPPKA3-VETCOVE Role: Expert Type: ERASMUS+
2022-2024	Project title: “Enhancing Institutional Performance through Developing Infrastructure and the Research Ecosystem for Transdisciplinary Excellence in the Socio-Economic Field,” ID 585 Role: Expert, Project type: ASE Funded
2018-2021	Project Title: “Empirical Modeling and Development of Tools Associated with Emerging Technologies in Online Social Networks” Role: Member Project Type: Pccdi
2020	Project Title: “Restart Economy: Measures to Mitigate the Economic and Social Impact of COVID-19 in Romania” Role: Member Project Type: FSS

2007-2010	Project Title: “Integrated IT Solutions for Efficient Management in Romanian Universities” Role: Member Project Type: Idei
2006	Project Title: “Business Management and Administration in the Digital Economy Context” Role: Member Project Type: Medium Business
2004-2005	Project Title: “Text-based Entity Evaluation System” Role: Member Project Type: Info Soc
2001	Project Title: “Solutions for Implementing Knowledge Management Systems for Business Process Reengineering” Role: Member Project Type: Orizont 2000
2002	Project Title: “Research on R&D Program Management for Romania's Active Participation in the EU Framework VI” Role: Member Project Type: Orizont 2000
2002	Project Title: “Contributions to Improving Research Project Management through Benchmarking” Role: Member Project Type: CNCSIS

Other relevant professional experiences

(e.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees and major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2023-present	Member of Global Federation of Competitiveness Councils(GFCC), an international US-based organization focused on enhancing national and global competitiveness through collaboration in research and innovation.
2001-present	Founding member of Project Management Romania, the local subsidiary of IPMA(International Project Management Association)
2013-present	Member of the National Romanian Committee for AI in Education, Ministry of Research, Innovation and Digitization, Bucharest, Romania
2017-present	Member of ANIS(National Romanian Association of Software and Services), Bucharest, Romania
2019-present	Responsible for the AI Research lab at the Bucharest University of Economic Studies
2023	Member of the Commission for organizing Romania’s cybersecurity olympiad
2023	Member of the Romanian Space Agency, TICSS Commission, Ministry of Research, Innovation and Digitization, Bucharest, Romania
2023	Member of the committee for selecting the body of experts for the creation of the National Registry of Experts for the Certification of Research and Development Activities - REXCD for Digital Economy and Space Technologies, ROSA, Bucharest, Romania
2001-2023	Member of the organizational committee of the IE Scientific Conference
2012-2024	Member of the University Senate of the Bucharest University of Economic Studies, Romania
2009-2012	Cooperation in the SIMUR project with CINECA(Consorzio Interuniversitario per il Calcolo Automatico dell'Italia Nord Orientale), Bologna, Italy a top European supercomputing center.
2006	Visiting PhD student the the Media Lab, Lifelong Kindergarten project, Massachusetts Institute of Technology, USA
2005	Visiting professor the University of Trieste, Italy

2002	Visiting PhD student at University Stuttgart and Bundeswehr University Munchen
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C.2 Track record of the last 10 years

A list of the ten most important scientific outputs (publications, patents, technologies etc).

1. Organizational Learning Networks That Can Increase the Productivity of IT Consulting Companies. A Case Study for ERP Consultants, Published: January 2014 in Expert Systems with Applications DOI: 10.1016/J.ESWA.2013.07.016
2. The Influence of COVID-19 Pandemic on Online Retail Prices
Published: March 2022 in Economic Computation and Economic Cybernetics Studies and Research DOI: 10.24818/18423264/56.1.22.18
3. The Evolution of AI-Driven Educational Systems during the COVID-19 Pandemic
Published: December 2021 in Sustainability, DOI: 10.3390/SU132313501
4. Current Technologies and Trends in Cybersecurity and the Impact of Artificial Intelligence
Published: April 2019 in Proceedings of the 14th International Scientific Conference eLearning and Software for Education, DOI: 10.12753/2066-026X-19-099
5. A Framework for Evaluating the Business Analytics Maturity of University Programmes
Published: February 2019 in Sustainability, DOI: 10.3390/SU11030853
6. Hadoop Oriented Smart Cities Architecture Published: April 2018 in Sensors, DOI: 10.3390/S18041181
7. Impact of Competitive Capabilities on Sustainable Manufacturing Applications in Romanian SMEs from the Textile Industry, Published: April 2018 in Sustainability, DOI: 10.3390/SU10040942
8. Sustaining Employability: A Process for Introducing Cloud Computing, Big Data, Social Networks, Mobile Programming, and Cybersecurity into Academic Curricula, Published: December 2017 in Sustainability, DOI: 10.3390/SU9122235

C.3 Narrative CV

A narrative summarizing which work has had the greatest importance and impact.

Currently serving as a Professor at the Bucharest University of Economic Studies in the Faculty of Cybernetics, Statistics, and Economic Informatics. My career spans extensive academic teaching, research, and leadership in developing innovative technological solutions that enhance educational methodologies. Beyond academia, I am the founder and CEO of Nextlab.tech, an innovative research-oriented start-up at the cutting edge of developing adaptive learning platforms that significantly improve the educational landscape by personalizing the learning experience.

My academic pursuits are deeply rooted in AI, cyberspace and computer science, with a special emphasis on applying technological advances to economics and data analytics. Through my teaching and research, I strive to equip students with critical skills for the digital economy, fostering an environment ripe for discovery and innovation. My scholarly contributions, often shared at international forums, help shape contemporary applications of computational methods across economic sectors.

I have a dual expertise as both an academic researcher and a technological innovator. I consider that this fact positions me uniquely to lead a research center such as the proposed UPERO. I am attracted by projects that push the boundaries of how technology can be leveraged to upskill individuals, particularly within the

law enforcement sector, ensuring they are equipped with the knowledge and skills needed in an ever-evolving technological landscape.

As the CEO of Nextlab.tech, I have translated my academic expertise into practical applications within the tech industry. Nextlab.tech is a testament to my commitment to education technology, providing tailored learning experiences through sophisticated adaptive learning algorithms. This technology not only personalizes education at scale but also addresses diverse learning needs across various disciplines. My leadership at Nextlab.tech involves steering product development, strategic partnerships, and overall business strategy, driving the company to be a leader in the EdTech sector.

Over the years I conducted many research and innovation projects both in the academic environment and also in the IT industry. I have established two research labs at the Bucharest University of Economic Studies in the areas of AI(in 2019) and integrated information systems(in 2004). Both labs were successful and they have attracted many students and tech companies. I have also created similar labs in other countries from the Republic of Moldova and Albania.

I was honored with the "Technology Leadership Award" by the Aspen Institute in 2023, a recognition that celebrates my exceptional contribution to the field of educational technology, particularly in the realm of adaptive learning. This prestigious award highlights my dedication to leveraging technology to revolutionize the educational landscape, embodying the spirit of leadership and innovation that the Aspen Institute seeks to promote.

My membership of the Microsoft Founders Hub (via my start-up company) underscores my significant contributions to technological innovation and education. This membership reflects my ongoing commitment to leveraging cutting-edge technologies to enhance learning and professional development.

Additionally, I represent Romania within the Global Federation of Competitiveness Councils (GFCC), a prestigious network of world-class researchers, sharing insights and strategies to drive forward global competitiveness and innovation. My involvement in the GFCC allows me to contribute Romanian perspectives on technology and education to a global discourse, further highlighting my role in shaping the future of adaptive learning on an international stage.

Furthermore, my innovative use of AI in STEM education has been recognized by Romania's Digital Innovation Council in 2022, which awarded me a prize for his pioneering contributions.

In addition to my roles as a manager and expert in academic and research projects, I have also managed numerous highly innovative projects implemented by corporations in both public and private organizations. These projects span a broad spectrum of cutting-edge technologies, including artificial intelligence, cyberspace security, biometric technologies, adaptive learning, and chip design. This engagement with diverse technological fields underscores my deep involvement in the forefront of technological innovation, much of which is driven by private research and innovation companies where the bulk of advanced AI and cyberspace research is conducted.

This extensive experience in private research and innovative companies is, in my opinion, of high value. It has provided me with a unique insight into the dynamic nature of technological advancement and the practical application of research outcomes in real-world settings. Moreover, these projects often featured an international component, involving collaboration with teams and stakeholders from various countries from across the globe, enhancing my understanding of global technological trends and challenges. This international exposure not only broadened my professional network but also deepened my comprehension of how technological solutions can be adapted and implemented across different cultural and regulatory landscapes. This blend of experience makes me uniquely qualified to lead and contribute to projects where innovative, globally-informed, and technologically sophisticated solutions are crucial for advancing the capabilities of the team members.

In conclusion, my diverse and comprehensive professional journey, marked by significant contributions to both academia and the private sector, underscores my dedication to the forefront of technological innovation and education. As a seasoned leader and a recognized expert in AI, cyberspace and

computer science, I have effectively bridged the gap between theoretical research and practical application. My extensive involvement in high-impact, innovative projects across the globe has equipped me with the insights and expertise necessary to drive forward the most challenging and transformative projects.

Note: For each nominated person, please present the CV (uploaded as a single document of maximum 6 pages, saved with the name of the member, A4 format, Times New Roman font, 11-point font size, 1.15 line spacing and 2 cm margins).

Date: 10.05.2024