



Ana-Cornelia Badea

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Full Professor in Geodetic Engineering

Technical University of Civil Engineering Bucharest, Faculty of Geodesy [05/10/1998 – Current] City: Bucharest | Country: Romania

Director of the Doctoral School

Technical University of Civil Engineering [10/04/2024 – 16/04/2025]

Address: Lacul Tei Blvd., 122-124, 2nd District, 020396 Bucharest (Romania) | Name of unit or department: Doctoral School - Business or sector: Education

Expert, member of the Engineering Sciences I Committee - ARACIS (Romanian Agency for Quality Assurance in Higher Education) [01/09/2024 – Current]

Expert - The Body of Experts from the National Register of Experts for the Certification of Research Development Activity (REXCD) [01/02/2023 – Current]

Ministry of Research Innovation and Digitalisation Order no. 20242/13.02.2023, <https://www.research.gov.ro/wp-content/uploads/2023/02/2-Componenta-Corpului-de-experti.pdf>

Member of the Commission 12 CNATDCU - Geological engineering, geodetic engineering, mines, oil and gas
CNATDCU - National Council for University Degrees, Diplomas and Certificates [01/07/2019 – Current]
<https://www.cnatdcu.ro/paneluri-cnatdcu/>

Collaborator – Professor

University of Bucharest, Faculty of Geography [01/10/2013 – Current] City: Bucharest

Expert evaluator [2015], [2022], [2024] and expert monitor for HORIZON projects in implementation [01/06/2021 – Current]

European Commission

National Expert - Romanian Association of Standardization, Standardization Technical Committee ASRO / TC 359
Geographic information [01/02/2017 – Current]

Director of the Research Center - Geodetic Engineering Measurements and Spatial Data Infrastructures (MGIIDS)
[01/06/2016 – Current]

Team Member WP3 - EU-CONEXUS Enables Project

Technical University of Civil Engineering Bucharest [01/02/2024 – Current] <https://www.eu-conexus.eu/en/projects/eu-conexus-enables/>

UTCB Responsible - HORIZON PROJECT – ReGreenation - The next generation of green, resilient and socially inclusive smart cities, *Technical University of Civil Engineering Bucharest* [02/01/2024 – Current] <https://regreenation.eu/>

Team member EU-CONEXUS Project

Technical University of Civil Engineering Bucharest [01/01/2021 – Current] : responsible for "[UAS Principles, Data Modeling and Analysis](#)" microcredential for EU-CONEXUS BSc students; responsible for "[GIS and Remote Sensing](#)" course for EU-CONEXUS BSc students; teaching "[GIS and GeoAI](#)" course for EU-CONEXUS PhD students; WP4 representative for UTCB

Vice-president of the Romanian Surveyors Union [12/12/2018 – Current]

Team Member - DivAirCity EU HORIZON Project

Technical University of Civil Engineering Bucharest [01/02/2022 – 01/07/2024]

Expert evaluator for project proposals

Polish Academy of Sciences [01/01/2022 – 30/04/2022] [01/06/2021 – 30/10/2021]

Project manager ROSE Project IMPULS

Technical University of Civil Engineering Bucharest [01/09/2019 – 30/09/2021]

PN-IV-P2-2.2-MCD-2023-0018 Project Responsible

Technical University of Civil Engineering Bucharest [01/11/2023 – 15/12/2023]

Expert – European Project ResInfra@DR, Facilitating macro-regional scope and link up to socio-economic actors of Research Infrastructure in the Danube Region, programul INTERREG – Danube Transnational Programme, <https://www.zsi.at/en/object/news/5273>

Ministry of Science, Croatia [05/2019 – 07/2019]

Project responsible - UEFISCDI PN-III-P1-1.1-MC-2019-1503

[15/11/2019 – 15/12/2019]

Responsible of the contract no. 121 / 18.10.2018 course “Advanced Theory: Geospatial analysis” [01/10/2018 – 30/11/2018]

Responsible of the contract for postgraduate courses and research "Surveying, cadastre and GIS in the oil domain", no. 2934 / 28.03.2018 with OMV Petrom [01/03/2018 – 01/09/2018]

Responsible in the Management Committee of the International Project “ Public Value Capture of Increasing Property Values” COST [01/06/2018 – 30/05/2022]

Responsible in the Management Committee of the International Project “Harmonization of UAS Techniques for Agricultural and Natural Ecosystems Monitoring” COST [01/06/2017 – 06/2022]

President of CNATDCU Complaints Commission - Geological Engineering, Geodesy, Mining, Oil and Gas Engineering CNATDCU - National Council for University Degrees, Diplomas and Certificates [01/06/2017 – 30/05/2020]

Researcher CPII – Responsible for Faculty of Geodesy - project Centre of Competence for Planetary Sciences ASTRES Astronomical Institute of Romanian Academy [01/12/2016 – 01/12/2018]

EDUCATION

Habilitation in Geodetic Engineering, OMEN 3675/2017

PhD Thesis in Civil Engineering – Distinction “Cum Laude” UTCB [01/10/2001 – 01/11/2008]

Postgraduate Diploma (echivalent Master Degree) – Profile Geodesy – Specialization "Land Information Systems" (full time) UTCB [01/10/1998 – 30/06/1999]

Merit Diploma of Bachelor Degree, Major Field – Geodesy [01/10/1993 – 30/06/1998] *Faculty of Geodesy, Technical University of Civil Engineering Bucharest*

Master in International Project Management, SNSPA - State University of Political and Administrative Studies [01/10/2011 – 30/06/2013]

Master in “Judicial Career”, Christian University "Dimitrie Cantemir" - Faculty of Law and Public Administration [01/10/2009 – 30/06/2011]

Bachelor’s Degree in Law, Faculty of Law and Administrative Sciences, Spiru Haret University, Bucharest, Romania [01/10/2009 – 30/06/2012]

High School Diploma, “Sf. Sava” National College, Bucharest

TRAINING

Big Geo-Data and Machine Learning for Advanced Geospatial Analysis, Certificate issued by Assoc. Prof. Dr. Ionuț Călimănuț Cira (University Politehnica Madrid), 2025

Landslide Monitoring and Risk Assessment Using NASA Earth System Data, National Aeronautics and Space Administration, 2025

Compiling Metadata for Sustainable Development Goals, The United Nations Statistics Division, 2024

Micro-Credentials: Concept, Opportunities and Design, Catholic University of Valencia, Spain, 2023

International Mutual Learning Workshop “Curriculum design based on micro-credentials and flexible approaches”, University of Bucharest and the Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), 2023

Certificate of Teaching, guest lecturer at the 3rd Edition of EU-CONEXUS PhD Summer School, “Professional Development and Leadership”, hosted by South East Technological University, from 24 to 28 July 2023, in Waterford, Ireland

Terrestrial Laser Scanning – Data Processing, Certificate issued by Prof. Dr. -Ing. habil. Hans Berndt NEUNER (TU Wien): PN-IV-P2-2_2_MCD-2023-0018 Space Continuous and Robot-Aided Acquisition of Geometry – GEOROB, 2023

Machine Learning in Weather and Climate, ECMWF & IFAB CINECA, 2023

European UAS Pilot, EASA - European Union Aviation Safety Agency, Identification Number LUX-RP-19740819pdoj, 2022

Monitoring and Modeling Floods using Earth Observations, National Aeronautics and Space Administration, 2022

Hyperspectral Data for Land and Coastal Systems, National Aeronautics and Space Administration, 2021

Satellite Remote Sensing for Urban Heat Islands, National Aeronautics and Space Administration, 2020

Remote Sensing for Mangroves in Support of the UN Sustainable Development Goals, National Aeronautics and Space Administration, 2020

Enhancing academic integrity and original thinking through plagiarism prevention, URKUND, 2020

Expert Project Management, TSI Consultanta & Training, ANC Certification 2019

User Specialist of Ground-Based Radar Interferometry, IDS GeoRadar, 2019

Expert in Accessing Structural and European Funds, COR 242213, TSI Consultanta & Training, ANC Certification 2018

Radar Remote Sensing, European Space Agency, 2017

Certificate Digital Content Developer & AEL, SIVECO Romania SA, 2011

Certificate of Trainer, Ministry of Work, Family, Equal Chances, Research and Youth, 2011

ARACIS (RAQAHE) Certificate - Diploma for quality assurance to enhance academic program evaluation skills, ARACIS (RAQAHE) 2011

ARACIS (RAQAHE) Certificate - Diploma for the development of university degree programs, ARACIS (RAQAHE) 2011

WEB REFERENCES

<https://www.webofscience.com/wos/author/record/G-5288-2013>

<https://scholar.google.ro/citations?hl=ro&user=0r39C8kAAAAJ>

<https://orcid.org/0000-0003-4521-5403>

<https://sciprofiles.com/profile/672122>

<https://utcb.ro/ana-cornelia-badea/>

<https://www.brainmap.ro/ana-cornelia-badea>

28/05/2025

Ana Cornelia Badea, Prof.PhD.Eng