



Daniel Bratanov

Born 02.03.1969 at Oryahovo, Bulgaria

Professional Summary

Expert in interdisciplinary field that combines knowledge in public health and engineering and in particular rehabilitation robotics and assistive technologies. Lecturer of different subjects in occupational therapy and physiotherapy. With more than 23 years of experience in research and development work and 10 years administrative experience starting as a head of department and currently as a Vice Rector for science and Research of University of Ruse “Angel Kanchev”, Ruse, Bulgaria. Big number of national and international research and development project and a good record of publications.

Strong community commitment that resulted in different national awards for the significant results in the educational and scientific work. Long expert’s experience in project assessment and evaluation in the European Commission in the area of advanced robotics, information and communication technologies and future and emerging technologies.

Skills

Excellent management skills with strong ability to involve and motivate the team for a direct communication and discussion of the taught subject. Friendly behavior both with students and colleagues making the team work pleasant even when involved at problem solving that require very strong commitment. Perfectly organized and on parallel with important deadlines not only on management, but also on the research and teaching work. Good leader’s abilities that were formed starting as a team leader on a project level and evaluated to ability to coordinate and manage large international research and development projects and the educational process in the university.

Work Experience

Lecturer:

Professor in Public Health at University of Ruse, Department of Public Health, Faculty of Public Health and Health Care

September 2016

Subjects: Assistive technologies in Occupational therapy; Rehabilitation equipment and mechanotherapy; Rehabilitation robotics; Orthotic and prosthetic devices; Disaster management; Management of Research projects.

Associated professor at University of Ruse, Department of Public Health, Faculty of Public Health and Health Care

December 2010 – September 2016

Subjects: Assistive technologies in Occupational therapy; Rehabilitation equipment and mechanotherapy; Rehabilitation robotics; Orthotic and prosthetic devices; Disaster management; Management of Research projects.

Senior Assistant Professor at University of Ruse, Department of Manufacturing Engineering, Faculty of machine Technologies

2007-2010

Subjects: Assistive technologies in Occupational therapy; Informatics

Researcher:

1995 – 2007 Researcher at Automation and Robotics Laboratory of University of Ruse

2016 – 2018 Researcher at Bulgarian Academy of Science - Institute of Metal Science, equipment, and technologies with Center for Hydro- and Aerodynamics “Acad. A. Balevski”

Administrative:

2025 – Present Vice Rector for Science and Research at University of Ruse

2023 – Present Head of Medical and Clinical-Diagnostic Activities Department of Public Health and Health Care faculty of University of Ruse

2020 – 2023 Director of DMRD Ltd, London, UK

2016 – 2019 Dean of Public Health and Health Care faculty of University of Ruse

2012 – 2016 Head of Public Health department of Public Health and Health Care faculty

2006 – 2020 Legal Entity Appointed Representative (LEAR) of University of Ruse, Bulgaria

2006 – 2013 National contact point for ICT in Bulgaria (6th and 7th Framework programs of EC)

Education

Supreme Attestation Board, Republic of Bulgaria, Council of Ministers

PhD in Production Automation with dissertation “Mechatronic model of a spastic human arm”

2006

University of Ruse, Ruse, Bulgaria

MSc in Manufacturing engineering

1995

1988 English Language School, Vidin, Bulgaria

RTD projects

1. CP940510 “Advanced Robot Assembly“ - ROBAS01.04.1995–01.04.1998

2. INCO-COPERNICUS 960262 “Virtual Manufacturing and Rapid Prototyping“ VITAMIN; 01.02.1997–01.02.1998

3. INCO-COPERNICUS 960754 “Handling of non-rigid materials with robots“ HOMER; 01.04.1997 – 01.04.2000
4. IST-1999-13109 REHAROB “Supporting Rehabilitation of Disabled Using Industrial Robots for Upper Limb Motion Therapy”;01.01.2000-30.06.2003
5. ST-2003-511492 RESCUER “Improvement of the Emergency Risk Management through Secure Mobile Mechatronic Support to Bomb Disposal and Rescue Operations
6. FP7-314704 PLANNING FOR ENERGY EFFICIENT CITIES (PLEEC)
7. FP7-ICT-224609 DIGITAL ENVIRONMENT HOME ENERGY MANAGEMENT SYSTEM (DEHEMS)
8. FP7-NMP2-214794 TOOLS FOR INNOVATIVE PRODUCT-SERVICE-SYSTEMS FOR GLOBAL TOOL AND DIE NETWORKS (TIPSS)
9. CCloud services for E-learning in Mechatronics technology (CLEM)-518656-LLP-1-2011-1-UK-LEONARDO-LMP
10. HOME/2010/CIPS/AG/019 Development of tools needed to coordinate inter-sectoral power and transport CIP activities at a situation of multilateral terrorist threat. Increase of the protection capacity of key CIP objects in Bulgaria (BULCIP)
11. Underwater hull inspection robot - ARMUS, Bulgarian Academy of Science internal project
12. 2010-ДФНИ Rotherapy – Passive robotized motion therapy of upper and lower limbs, National research project
13. FFNNIPO_12_00784 Mobile automated system for remote monitoring of emergency situations, National research project
14. Participation in ERASMUS and ERASMUS + projects

Awards

Professor of the year – Award of the Students’ council, Ruse, Bulgaria, 08.12.2018

Award “Ruse” for overall scientific and teaching work in the field of Higher Education – Award of Municipality of Ruse, 24 May 2018

Silver medal for the invention of “Robotic system for simultaneous rehabilitation of upper and lower human limbs”, Union of Bulgarian inventors, 2014

Highly commented award - Literati Club 1996

Award for extraordinary contribution to the development of the Public Health in Bulgaria – Award given for the 100 years anniversary of medical education in Bulgaria – 2017 Medical University Sofia.