List of scientific works - university lecturer **dr.eng. Mircea BOJAN**

I. Published scientific works:

I.A. The complete list of published scientific papers:


I.B. The list of the 10 works selected and found in the electronic format made available to the commission:


II. PhD Thesis:


III. Published books and chapters in published books:


IV. Research contracts:

1. Member of the contract research team: “Cercetarea și implementarea unor preconvertoare de ca/cc cu corectarea factorului de putere și a unor convertoare de cc/cc cu parametri energetici ridicăți - Research and implementation of AC/DC pre-converters with power factor correction and DC/DC converters with high energy parameters”, Stage 2, “Cercetări privind strategiile de comandă și reglare adecvate circuitelor electronice de conversie propuse, testarea și implementarea acestora - Research on control strategies suitable for the proposed electronic conversion circuits, their testing and implementation”, Marschalko, R. - project director, Szász, Cs., **Bojan, M.**; Keul, Ch.; Hedeștiu, Cl., Contract 37118/2000, Theme no. 46, Code CNCSIS 626, Phase value: 30.000 mii lei, Taught in 2000.

2. Member of the contract research team: “Cercetarea și implementarea unor preconvertoare de ca/cc cu corectarea factorului de putere și a unor convertoare de cc/cc cu parametri energetici ridicăți - Research and implementation of AC/DC pre-converters with power factor correction and DC/DC converters with high energy parameters”, Stage 3, “Investigarea performanțelor sistemului de reglare a convertoarelor de CA/CC cu luarea în considerare a circuitului electronic de putere - Investigating the performance of the control system of AC/DC converters considering the power electronic circuit”, Marschalko, R. - project director, Szász, Cs., **Bojan, M.**; Keul, Ch.; Hedeștiu, Cl.; Csatlós, E., Contract 34970/2001, Theme no. 26, Code CNCSIS 264, Phase value: 40.000 mii lei, Taught in 2001.


5. Member of the contract research team: "Cercetări privind îmbătrânirea componentelor din circuitul intermediar de tensiune continuă al convertoarelor PWM", Richard Marschalko, UTC-N, Mircea Bojan, UTC-N, Fodor Denes, University of Panonia, Veszprem, Laszlo Kovacs, TDK-Epcos, ("Influence of DC-Link capacitor aging on the PWM converters operation" - The project is supported by "Mobility and Environment: Researches in the fields of motor vehicle industry, energetics and environment in teh Middele -and west -Transdanubian Regions of Hungary, by European Union and co-financed by the European Regional Developemend Fund" period 2011-2013.

6. Member of the contract research team: "Dispozitiv inovativ de protectie a ratelei de energie electrica fata de consumatorii electronici cu factor de putere redus - IEDPFC - Innovative device for the protection of the electricity grid from low power factor electronics consumers" Project Financed by MEN-UEFISCDI through the National Research program PNII - Partnerships in Priority Domains – PCCA 2014 Project code: PN-II-PT-PCCA-2013-4-0914, Contract number: 60/2014, Petre-Dorel TEODOSESCU - project director, Total value: 1.550.000 RON.


8. Member of the contract research team: "Smart buildings adaptable to the climate change effects - Clădiri inteligente adapabile la efectele schimbărilor climatice - CIA_CLIM", Project Financed by MEN-UEFISCDI through the National Research program PNIII - Partnerships in Priority Domains – PCCDI 2018 Project code: PN-III-P1-1.2-PCCDI-2017-0391, Contract number: 30PCCDI/2018, Petre-Dorel TEODOSESCU - project manager from the implementation UTC-N team (Partner 2 complex project – Project 3: Managementul conversiei și stocării energiei fotosinț tehnologii de tip „smart grid”), Total value: 5.287.500 RON, period 2018-2021.

V. Patents / Applications for patents:


Date: 22.05.2024

Dr.eng. Mircea BOJAN