



Date personale:

Nume, Prenume: BICĂ ROMEO DORIN

Titlu academic: Profesor universitar

Departament: Inginerie electrică și tehnologia informației

E-mail instituțional: dorin.bica@umfst.ro

Domenii de interes (maximum 5 domenii, direcții):

Analiza, optimizarea și stabilitatea sistemelor electroenergetice, Proiectarea asistată a sistemelor electrice, Managementul energiei, Rețele electrice inteligente, Piața de energie

Activitate de cercetare:

1. Proiecte de cercetare (maximum 3 proiecte):

- 1. Novel Marine Turbine Designs, Tools & Optimised Array Systems (NovaStyem) -FP7 Collaborative Project (CP) - Large-scale integrating project (IP). Topic: ENERGY.2013.2.6.1: Design tools, enabling technologies**
- 2. Technical - Economic and environmental Optimisation of CCS Technologies integration in power plants based on solid fossil fuel and renewable energy sources – biomass. PN –II- PT-PCCA-2011-3.2-0162, 2015.**
- 3. Notified Body Increased Capacity -NoBoCap, European Health and Digital Executive Agency (HADEA), EU4Health – 101101269, 2023-2026.**

2. Lucrări publicate in extenso (maximum 5 lucrări)

- 1. Dulau, LI; Bica, D and Urcan, DC, Simulation and Monitoring of a Microgrid with Electric Vehicles and Controllable Loads, 56th International Universities Power Engineering Conference (UPEC) - 56TH INTERNATIONAL UNIVERSITIES POWERENGINEERING CONFERENCE (UPEC 2021).**



2.

Urcan, DC Bica, D ., Integrating and modeling the Vehicle to Grid concept in Micro-Grids, 2019 INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM) Page299-303

DOI10.1109/ciem46456.2019.8937610

3. Dulau, LI ; Bica, D ., Impact of Electric Vehicles on a Power Line with Photovoltaic Power Plants

Connected, MACHINES Volume 10 , 2022, Issue 2 DOI 10.3390/machines10020102

4. Dulau, LI ; Bica, D., Optimal Power Flow Analysis of a Power System with Distributed Generators

and Storage Considering Seasons, TEHNICKI VJESNIK-TECHNICAL GAZETTE Volume 29 Issue 6 Page 1819-1826 DOI 10.17559/TV-20210723100305

5. Bica, D. Photovoltaic Power Plant Grid Integration in the Romanian System-Technical Approaches, 2016,RENEWABLE ENERGY - UTILISATION AND SYSTEM INTEGRATION Page 295-314 DOI 10.5772/62739