



CURRICULUM VITAE

Date personale:

Nume, Prenume: **Albert Zsolt Barabas**

Titlu academic: **Șef de Lucrări**

Departament: **Inginerie Electrică și Tehnologia Informației**

E-mail instituțional: **albert.barabas@umfst.ro**

Domenii de interes (maximum 5 domenii, direcții):

- **Inginerie Medicală**
- **Automatizări și sisteme de control**
- **Fiabilitate, Statistici**
- **Electronică digitală**
- **Inovație Tehnologică și Dezvoltare de Produse**

Activitate de cercetare:

1. Proiecte de cercetare (maximum 3 proiecte)

2. Lucrări publicate in extenso (maximum 5 lucrări)

Oana R Oprea, Albert Z Barabas, Ion B Manescu, Minodora Dobreanu, A Mathematical Algorithm for Dried Blood Spot Quality Assessment and Results concerning Quality from a Newborn Screening Program, *The Journal of Applied Laboratory Medicine*, Volume 9, Issue 3, May 2024, Pages 512–525, <https://doi.org/10.1093/jalm/ifae003>

Zsolt Albert Barabás, Zoltán Germán-Salló, Educational trends in biomedical signal processing, *Acta Marisiensis. Seria Technologica*, Volume 19, Issue 2, 2022, <https://doi.org/10.2478/amset-2022-0016>



Nicoleta Stroia, Daniel Moga, Zsolt Barabas, Web based monitoring of solar power systems, *IFAC Proceedings Volumes*, Volume 46, Issue 6, 2023, pp 131-136,
<https://doi.org/10.3182/20130522-3-RO-4035.00046>

FA Hrebenciuc, D Moga, D Petreus, Z Barabas, R Moga, Combined Analytical and Numerical Approach to Study Coil Arrays for Contactless Charging of Batteries in Active Transponders, *Elektronika ir Elektrotechnika*, Volume 123, Issue 7, 2012, pp 37-42,
<https://doi.org/10.5755/j01.eee.123.7.2372>

ZA Barabas, A Morar, High performance microstepping driver system based on five-phase stepper motor (sine wave drive), *Procedia Technology*, Volume 12, 2014, pp 90-97,
<https://doi.org/10.1016/j.protcy.2013.12.460>