Universitatea Tehnică din Cluj-Napoca
Facultatea de Electronică, Telecomunicații și Tehnologia Informației
Departamentul Comunicații
Sl. dr. ing. Camelia FLOREA

LISTĂ LUCRĂRI ŞTIINŢIFICE

A. Teza de doctorat

1. Titlul tezei: *„Contribuţii la prelucrarea neliniară şi adaptivă a imaginilor comprimate JPEG" ("Contributions to nonlinear and adaptive processing of JPEG compressed images")*, Domeniul: Inginerie Electronică şi Telecomunicaţii, 29 Octombrie 2009, Universitatea Tehnică din Cluj-Napoca, conducător ştiinţific: Prof.Dr.Ing. Aurel Vlaicu.

B. Cărţi şi capitole din cărţi

CĂRŢI

1. Bogdan Orza, Aurel Vlaicu, **Camelia Popa (Florea)**, Mihaela Gordan, "*Viziunea computerizată în exemple şi aplicaţii practice"*, Îndrumător de laborator, Editura U.T.Pres, Cluj-Napoca, 2007, 160 pagini, ISBN 978-973-662-294-6;

CAPITOLE DE CARTE

1. **Camelia Florea**, Aurel Vlaicu, Mihaela Gordan, Bogdan Orza, *"Adaptive implementation of nonlinear fuzzy image enhancement algorithms in the compressed JPEG images",* in Computer Science and IT, Ed. D.M. Akbar Hussain, Book Chapter, Chapter 9, ISBN: 978-953-7619-51-0, INTECH, December 2009, Pages: 145-170, (http://cdn.intechopen.com/pdfs-wm/8574.pdf)

C. Lucrări științifice indexate ISI/BDI

Lucrări științifice publicate în reviste indexate ISI/BDI:

Reviste ISI:

1. Lorant Andras Szolga, Denisa Alice Bozga, **Camelia Florea**, "*End-User Skin Analysis (Moles) through Image Acquisition and Processing System*", Sensors 2022, 22(3), 1123, Special Issue Smart Healthcare Systems Based on the Internet of Things and Artificial Intelligence **[ISI]**,
   DOI: 10.3390/s22031123, WOS:000758936300001.
2. Ciprian Iacobescu, Gabriel Oltean, Camelia Florea, Bogdan Burtea, „*Unified InterPlanetary Smart Parking Network for Maximum End-User Flexibility*", 29 December 2021, Sensors 2022, 22(1), 221, Special Issue Edge Computing-Based Intelligent IoT (ECIIoT): Architectures, Algorithms and Applications, [**ISI**].
   DOI: 10.3390/s22010221, WOS:000741440600001.

Lucrări ştiinţifice publicate în volume de conferinţe cu referenţi indexate ISI/BDI:

1. Bogdan Burtea, **Camelia Florea**, Radu Ștefan Simea, Mihaela Gordan, Ciprian Iacobescu, Gabriel Oltean „*Weather-Aware Augmentation for Parking Slot Detection Using Vision-Language Image Editing,*" 18th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Bucharest, Romania, July 2026, [**IEEE**]. DOI: 10.1109/ECAI69016.2026.11613649
2. Bogdan Burtea, Radu Ștefan Simea, **Camelia Florea,** Mihaela Gordan, Gabriel Oltean, Ciprian Iacobescu, "*Patch vs Scene Level Features for Parking Slot Detection under Diverse Weather Conditions,*" 2026 Advanced Topics on Measurement and Simulation (ATOMS), Cluj-Napoca, Romania, May 2026, **[IEEE].** DOI: 10.1109/ATOMS69836.2026.11583196**.**
3. Alexandru Iacobescu, Gabriel Oltean, **Camelia Florea**, Mihaela Gordan, Bogdan Burtea, "*OpenPk: A New Dataset for Parking Space Analysis,*" International Conference on Big Data, Knowledge and Control Systems Engineering (BdKCSE), Sofia, Bulgaria, November 2023, **[IEEE].** DOI: 10.1109/BdKCSE59280.2023.10339780
4. Andreea Georgiana Covaciu, **Camelia Florea**, Lorant Szolga, "*Microscopic images analysis for saliva ferning prediction*", 2020 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania, 5-7 November 2020 (On-line conference), [**ISI**], [**IEEE**]. DOI:10.1109/ISFEE51261.2020.9756142, WOS:000812321500012,
5. Gabriel Oltean, **Camelia Florea**, Radu Orghidan, Victor Oltean, „*Towards Real Time Vehicle Counting Using YOLO-Tiny and Fast Motion Estimation*", 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, 23-26 October 2019, [**ISI**], [**IEEE**]. DOI: 10.1109/SIITME47687.2019.8990708, WOS:000564733700049.
6. I Stoian, D Capatana, O Ghiran, M Gordan, **Camelia Florea**, „*Fast alternative to gradient computation in the DCT block domain for local binary patterns computation*", IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Cluj-Napoca, Romania, 24-26 May 2018, **[ISI]**, **[IEEE].** DOI: 10.1109/AQTR.2018.8402777, WOS:000450065900073

D. Lucrări ştiinţifice publicate in reviste şi volume de conferinţe cu referenţi (neindexate)

1. Bogdan Burtea, **Camelia Florea**, Ciprian Iacobescu, Gabriel Oltean, „*Video Based Real Time Application for Parking Spots Availability Management*", Conference Proceedings of 4th International E-Conference on Engineering, Technology and Management - ICETM 2021, 24 january, 2021, (On-line conference).

E. Brevete

-

F. Granturi/contracte de cercetare

-

Data **Semnătura**
12.10.2026