VESNA RADOJČIĆ

E-mail: vradojcic@sinergija.edu.ba

Vesna Radojčić je rođena 02.09.1997. u Loznici, Srbija.

Obrazovanje:

- **Doktorske studije**
  Univerzitet Sinergija, Bezbjednost računarskih sistema, 2022-

- **Master studije**
  Univerzitet Sinergija, Savremene informacione tehnologije, 2020-2021

- **Osnovne studije**
  Univerzitet Sinergija, Fakultet za računarstvo i informatiku, 2016-2020

Radovi u časopisima

1. **A two-layer TinyML approach aided by metaheuristics optimization for leveraging agriculture 4.0 and plant disease classification** – *Applied Soft Computing*, Nov 2025.
   Autori: Vesna Radojčić, Nebojša Bačanin, Luka Jovanović, Jelena Kaljević [...].

2. **Li-Fi, AI, and IoT Technologies in Creating Sustainable Business** – Jul 2025.
   Autori: Ljubinko Stojanović, Vesna Radojčić, Petar Spalević.

3. **Li-Fi Technology for Cybersecurity Solutions + SEON** – Jul 2025.
   Autori: Ljubinko Stojanović, Vesna Radojčić, Srđan Mitrović, Petar Spalević.

4. **Transforming Traffic Safety: Detection of Car-Pedestrian Contact Using Computer Vision Technologies** – *JITA - Journal of Information Technology and Applications (Banja Luka) - APEIRON*, Jan 2025.
   Autori: Vesna Radojčić, Miloš Dobrojević.

5. **Understanding and Mitigating Algorithmic Bias in Contemporary Applications** – Jan 2024.
   Autori: Ljubinko Stojanović, Vesna Radojčić, Filip Jovanović [...], Hasam Mostafa Ahmed Mletan.

6. **The Influence of Artificial Intelligence on Creative Writing: Exploring the Synergy between AI and Creative Authorship** – Dec 2023.
   Autori: Ljubinko Stojanović, Vesna Radojčić, Slavica Savić [...], Aleksandar Sandro Cvetković.

7. **Development of New Sensors and Technologies for Precision Agriculture** – *STED Journal*, May 2023.
   Autori: Vesna Radojčić, Aleksandar Sandro Cvetković.

8. **Economic Justification of Applying Information Technologies to the Creation of Smart Cities** – *The European Journal of Applied Economics*, Apr 2022.
   Autori: Aleksandar Sandro Cvetković, Vesna Radojčić.

Poglavlja u knjigama / Chapters

1. **A Computer Vision-Based Approach Optimized by Modified Metaheuristic for Precise Agriculture Applications** – Jul 2025.
   Autori: Vesna Radojčić, Miloš Dobrojević, Luka Jovanović [...], Nebojša Bačanin.

2. **Hybrid CNN and XGBoost Model Tuned by Metaheuristics for DC Motor Failure Prediction Using Mel Spectograms** – Apr 2025.
   Autori: Luka Jovanović, Vesna Radojčić, Miloš Dobrojević [...], Nebojša Bačanin.

3. **Audio Analysis Optimized by Modified Metaheuristic for Motor Predictive Maintenance** – Nov 2024.
   Autori: Luka Jovanović, Aleksandra Božović, Nebojša Bačanin [...], Miloš Dobrojević.

Radovi na konferencijama

1. **AI-powered smart fitness equipment** – XVII međunarodni naučno-stručni skup Informacione Tehnologije za e-Obrazovanje – ITEO, Okt 2025.
   Autori: Vesna Radojčić, Miloš Dobrojević.

2. **AI-Driven Solutions for Urban Traffic Optimization and Energy Efficiency** – Sinergija 2025 XXV Naučni skup, Jul 2025.
   Autori: Vesna Radojčić, Miloš Dobrojević, Saša Ž. Adamović, Marko Šarac.

3. **Traffic Sign Recognition Using Computer Vision** – International Scientific Conference on Information Technology, Computer Science, and Data Science, Jun 2025.
   Autori: Vesna Radojčić, Miloš Dobrojević.

4. **Analysis of the Efficiency of Computer Vision for the Detection of Vehicles and Pedestrians in Traffic** – Sinteza 2024, Jul 2024.
   Autori: Vesna Radojčić, Miloš Dobrojević.

5. **EVOLUTIONARY DEVELOPMENT OF ARTIFICIAL INTELLIGENCE IN EDUCATION: ANALYSIS OF RECENT TRENDS AND FUTURE DIRECTIONS** – „CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY" COAST 2024, May 2024.
   Autori: Vesna Radojčić, Aleksandar Sandro Cvetković, Ljubinko Stojanović.

6. **Утицај вјештачке интелигенције на креативност писаца: Сарадња вјештачке интелигенције и ауторско стваралаштво** – Sinergija 2023, Mar 2024.
   Autori: Vesna Radojčić, Ljubinko Stojanović.

7. **Advancements in Computer Vision Applications for Traffic Surveillance Systems** – SINERGIJA 2023, Dec 2023.
   Autori: Vesna Radojčić, Aleksandar Sandro Cvetković, Miloš Dobrojević [...], Jalal Mohamed E. Guider.

8. **ADVANCEMENTS IN ROBOTICS, SMART FARMING, AND COMPUTER VISION: REVOLUTIONIZING AGRICULTURE** – XIV International Scientific Agriculture Symposium "AGROSYM 2023", Oct 2023.
   Autori: Vesna Radojčić, Aleksandar Sandro Cvetković.

9. **APPLICATION OF THE PRECISION AGRICULTURE SYSTEM IN DIFFERENT CLIMATIC CONDITIONS** – 6th International Scientific Conference ''Village and Agriculture'', Sep 2023.
   Autori: Vesna Radojčić, Aleksandar Sandro Cvetković.

10. **ADVANCED TECHNOLOGIES FOR ENHANCING SUSTAINABLE AGRICULTURE: INTEGRATION OF ARTIFICIAL INTELLIGENCE, IOT, AND COMPUTER VISION** – XV međunarodni naučno-stručni skup Informacione Tehnologije za e-Obrazovanje, Sep 2023.
    Autori: Vesna Radojčić, Aleksandar Sandro Cvetković.

11. **The Use of Computer Vision in Precision Agriculture** – Sinteza 2023, Jan 2023.
    Autori: Vesna Radojčić, Aleksandar Sandro Cvetković, Miloš Dobrojević.

12. **Artificial intelligence is the key to success in practical application** – Sinergija 2022, Mar 2022.
    Autori: Vesna Radojčić, Aleksandar Sandro Cvetković, Miloš Dobrojević, Petar Spalević.

13. **Artificial intelligence as a pioneering step in school institutions** – Sinergija 2022, Mar 2022.
    Autori: Vesna Radojčić, Aleksandar Sandro Cvetković, Saša Ž. Adamović.

14. **Multi-factor Authentication for the Internet of Things** – Sinergija University International Scientific Conference, Nov 2021.
    Autori: Aleksandar Sandro Cvetković, Vesna Radojčić, Saša Ž. Adamović.

Magistarski radovi / Theses

1. **Upotreba računarskog vida za prepoznavanje pješaka u saobraćaju** – Master Thesis, Sep 2021.
   Autori: Vesna Radojčić.