Dissertation theses – 2026

- "Deepfake content detection through few-shot learning" (*Lucian BARON*).
- "Development of an audit and monitoring system for SSH authentication" (*Ștefan-Eduard BORȚA*).
- "Multifactor authentication methods for network security" (*Diana-Roxana BRATU*).
- "Automatic system based on intelligent agents for validating and generating educational content on Cyber Range platforms" (*Bogdan-George CARP*).
- "Advanced techniques for voice activity detection in critical VoIP communication system applications" (*Cătălina COSTACHE*).
- "Artificial intelligence applications for railway transport command and control systems" (*Mihai-Adrian COSTICĂ*).
- "Analysis of image resolution up-scaling algorithms using embedded systems" (*Adrian-Gabriel DIACONU*).
- "Intelligent telephone robot for conversation summarization and client satisfaction estimation" (*Antonia DUMITRU*).
- "Intelligent agents for assisted education using the NAO robotic platform" (*Anca-Maria GĂINĂ*).
- "Multi-agent systems based on Large Language Models (LLM) for the automation of functional coverage analysis in digital verification" (*Cătălin-Andrei GROZAVU*).
- "Predictive analysis AI system for detecting anomalies in IoT/IoV communications and network security improvement" (*Samir KURBISSA*).
- "Generative methods for restoring degraded images and facial video sequences" (*Alexandru-Gabriel LEFTERACHE*).
- "Automatic prediction of infectious diseases using artificial intelligence techniques" (*Arianna MANOLACHE*).
- "GNSS interference detection and classification for embedded systems" (*Mircea-Ionuț MECHE*).
- "System for monitoring voicebot interactions using large language models (LLM)" (*Teodora MÎRZAN*).
- "Deep learning-based automatic analysis of fetal ECG for health assessment" (*Iulia-Alexandra ORVAS*).

- “Fault prediction in data storage systems” (*Cristina-Alexandra RISTACHE*).
- “Romanian language voice synthesis: open-source implementation and applications for voice chatbots” (*Ana-Maria-Beatrice RIZAN*).
- “Chatbot for complete management of client interactions” (*Rareş-Nicolae RODEAN*).
- “AI algorithm acceleration system for the RISC-V architecture” (*Ionuţ-Răzvan STANCIU*).
- “Advanced deep learning methods for automatic diagnosing based on multimodal thoracic X-ray image analysis and clinical reports” (*Teodora-Simina STROE*).
- “Feature engineering in the context of cyberthreat detection by multi-flux analysis” (*Elena-Iulia TURCOMAN*).
- “Automatic detection of attacks by multi-platform (Windows/Linux) log correlation using advanced machine learning techniques” (*Eduard-Andrei VOICU*).
- “Image authentication using digital signatures” (*Mihaela-Elena CIURTIN*).
- “Analysis of vulnerabilities associated with SSH key usage” (*Adrian-Florentin DOBRE*).
- “Detection of AI-generated video content using machine learning methods” (*Minodora PEPTINE*).