

## **Conf.univ.dr. Eugen Petac**

### **Licenta 2023 (Informatica)**

1. Automatizarea retelelor IP cu Ansible
2. Solutii Python pentru automatizarea retelor IP
3. Dezvoltarea aplicatiilor mobile cu Python
4. Solutie IoT bazata pe ROS si Raspberry PI (ROS-Robot Operating System)
5. Solutie IoT bazata pe ROS si Arduino (ROS-Robot Operating System)
6. Aplicatie GPS bazata pe Raspberry PI
7. Aplicatie GPS bazata pe Arduino
8. Aplicatii P2P (Peer to Peer) cu WebRTC
9. Programarea retelelor in GO
10. Anonimitatea in retelele IP. Aplicatii Python
11. Solutii Python pentru scanarea vulnerabilitatilor retelelor
12. Solutii Python pentru scanarea vulnerabilitatilor aplicatiilor Web
13. Verificarea autenticității și integrității imaginilor digitale
14. Descoperirea datelor ascunse prin steganaliza
15. Identitate digitala bazata pe tehnologia Blockchain
16. Aplicatii NFT Blockchain (NFT: Non-Fungible Token)
17. Comunicatii bazate pe tehnologia Blockchain. Aplicatii Python

### **Licenta 2023 (Informatica in limba engleza)**

1. Network Programming in GO
2. Network Automation Solution with Ansible
3. Intelligent Network Penetration Testing
4. IoT solution based on ROS and Raspberry PI (ROS-Robot Operating System)
5. GPS Application Based on Raspberry PI

### **Disertatie 2023 (CSML)**

1. Communications Based on Blockchain Technology. Python Applications
2. Digital Identity Based on Blockchain Technology
3. Verification of Authenticity and Integrity of Digital Image Data
4. Machine learning Based Solutions for Securing IP Networks
5. Machine learning Based Solutions for Securing Software-Defined Networks
6. Machine learning Based Solutions for Routing in IP Networks
7. Machine learning Based Solutions for Software-Defined Networks
8. Discovering hidden data through steganalysis
9. IoT Solutions Based on Blockchain Technology

### **Disertatie 2023 (MVMOD)**

1. Dezvoltarea aplicatiilor IoT cu ROS si Raspberry PI (ROS-Robot Operating System)
2. Solutii IoT bazate pe tehnologia Blockchain
3. Comunicatii P2P bazate pe tehnologia Blockchain. Aplicatii Python
4. Solutii de anonimitate in retelele IP. Aplicatii Python