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| **BELCHEROL’S THESES** | | | | |
| **NO.** | **SUPERVISOR** | **TITLE OF THE THESIS** | **FIELD OF STUDY** | **THE NUMBER OF THE STUDENTS** |
|  | Mgr inż. Bartosz Bossy | *Analysis of energy consumption by baseband signal processing algorithms in wireless communication systems*. | EiT/Teleinformatyka | 1 |
|  | Mgr inż. Bartosz Bossy | *Hardware implementation of the energy-efficient resource allocation using in a wireless system.* | EIT/Teleinformatyka | 1 |
|  | Mgr inż. Bartosz Bossy | .  *Optimization of energy efficiency in Internet of Things networks.* | EIT/Teleinformatyka | 1 |
|  | Mgr inż. Bartosz Bossy | .  *Analysis of energy consumption by computational units of fog and cloud network nodes.* | EIT/Teleinformatyka | 1 |
|  | Dr inż. Krzysztof Cichoń | .  *Intelligent application for disabled people navigation* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Krzysztof Cichoń | *Modeling of scattering in 26-40GHz* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Filip Idzikowski | *How hot can telecommunications devices get?* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Filip Idzikowski | *Image processing expressed in floating point operations per second (FLOPS).* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr hab. inż. Adrian Kliks | *Hardware implementation of radio resource assignment CBRS algorithm USRP or Nuand Blade RF platforms.* | EIT/ICT/Teleinformatyka | 2 |
|  | Dr hab. inż. Adrian Kliks | *Algorithms implementation on the O-RAN platform* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr hab. inż. Adrian Kliks | *Detection of radar signals in the context of WLAN 802.11 ax deployment* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr hab. inż. Adrian Kliks | *Task-based time tracking Android application* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Robert Kotrys | .  *Serial port server managed by an Internet browser in Ubuntu.* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Robert Kotrys | *Application to manage WLAN links for the Raspberry PI device.* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr hab. inż. Maciej Krasicki | PC application for Karnaugh map filling in and analysis | EIT/ICT | 1 |
|  | Dr hab. inż. Maciej Krasicki | *Al.-driven checkers game for ARM processor* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr hab. inż. Rafał Krenz | *Desing and implementation of a tracking antenna for UAV communication* | EIT/ICT | 1/2 |
|  | Dr hab. inż. Rafał Krenz | *Weather station with e-ink display* | EIT/ICT/Teleinformatyka | 2 |
|  | Dr inż. Paweł Kryszkiewicz | *Desing and implementation of motion detection by wireless channel characterization using USRP platform* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Paweł Kryszkiewicz | . *Measurement and modeling of power consumption and emitted signal power of a WiFi card.* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Paweł Kryszkiewicz | *Construction of channel sounder using USRP platform* | EIT/ICT/ Teleinformatyka | 1 |
|  | mgr inż. Łukasz Kułacz | *Universal and modular application for knowledge verification* | EIT/Teleinformatyka | 1 |
|  | mgr inż. Łukasz Kułacz | *Dynamic base station selection algorithm implementation in radio network* | EIT/Teleinformatyka | 1 |
|  | mgr inż. Łukasz Kułacz | *Application for programming learning* | EIT/Teleinformatyka | 1 |
|  | mgr inż. Łukasz Kułacz | *Real-time demonstration of Open Radio Network (ORAN) concept* | EIT/Teleinformatyka | 1 |
|  | Dr inż. Marcin Rodziewicz | *Assisting blind people with augmented reality* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Marcin Rodziewicz | *Course corrector – GPX parser editor* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Marcin Rodziewicz | *Weather station with remote access* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Marcin Rodziewicz | *Investigation of the influence of vehicle heterogeneity on the behavior of platoon of vehicle moving with the use of V2V communication* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | .  *Using transmission channel properties to improve the security of wireless systems*. | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | *Handover between access points using Raspberry Pi.*  *Dyplomant kierunku: EiT i Teleinf* | EIT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | Analysis of IoT and 5G security protocols | EIT /Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | *Application for analyzing ECG signal anomalies* | EIT /Teleinformatyka | 1 |
|  | Dr inż. Paweł Sroka | Implementacja systemy *Implementation of a driver using Android/iOS mobile devices* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Paweł Sroka | *Application for synchronous presentation of information using mobile devices* | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Michał Sybis | *Impact of bit representation length on SOVA decoder*. | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Michał Sybis | *Non-equal vehicle spacing in CACC platooning*. | EIT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Michał Sybis | . *Channel-aware CACC for efficient platooning.* | EIT/ICT/Teleinformatyka | 1 |
|  | Mgr inż. Małgorzata Wasilewska | *Intelligent algorithm for resource in wireless networks* | EiT | 1 |
|  | Mgr inż. Małgorzata Wasilewska | *Locating other users on wireless networks using machine learning algorithms* | EiT | 1 |
|  | Mgr inż. Małgorzata Wasilewska | *A universal and inteligent tool for presenting the characteristics of the collected data that is to be used in the machine learning algorithm* | EiT | 1 |
|  | Mgr inż. Małgorzata Wasilewska | Ruchoma stacja bazowa na dronie - inteligentny i dynamiczny wybór lokalizacji drona (symulacja)  *Mobile base station on the drone – inteligent and dynamic selection of the drone location (simulation)* | EiT | 1 |