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| **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 used in a wireless system* | EIT/Teleinformatyka | 1 |
| Mgr inż. Bartosz Bossy | *Optimization of energy efficiency in the 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 | *Modeling of scattering in 26-40GHz* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. Krzysztof Cichoń | *Intelligent application for disabled people’s navigation* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. Filip Idzikowski | *Power and energy consumption of ICT devices – a database* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. Filip Idzikowski | *Failures and temperatures of ICT devices – a data base* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. Filip Idzikowski | *Estimation of global energy consumption of selected groups of ICT devices* |  |  |
| 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 | Algorytmy wykrwania sygnałów radarowych na potrzeby sieci WLAN 80211 ax  *Detection of radar signals in the context of WLAN 80211 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 | *Desing and implementation of a spectrum analyzer based on RTL-SDR and Raspberry PI* | EIT/ICT/Teleinformatyka | 2 |
| Dr hab. inż. Paweł Kryszkiewicz | *Construction of channel sounder using USRP platform* | EIT/ICT/Teleinformatyka | 1 |
| Dr hab. inż. Paweł Kryszkiewicz | *Computer modeling of signal distortions and energy consumption by RF amplifiers* | EIT/ICT/Teleinformatyka | 1 |
| Dr hab. inż. Paweł Kryszkiewicz | *Measurements and modeling of energy consumption and distortions by RF amplifier* |  |  |
| Dr inż. Paweł Kryszkiewicz | *Modeling of the influence of wireless transmission characteristics on batter-stored energy consumption* | EIT/ICT/ Teleinformatyka | 1 |
| Dr inż. Marcin Rodziewicz | *Bike radar* | EIT/ICT | 1 |
| Dr inż. Marcin Rodziewicz | *Wi-Fi Aware connectivity in Android devices* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. Marcin Rodziewicz | *Course corrector – GPX parser editor* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Security in IoT sytems* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Authentication methods in IoT systems* | EIT/Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Application for Android system* | EIT /Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Securyty threats in 5G mobile networks* | EIT /Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Analysis and detection of anomalies n wireless networks* | EIT/ICT/Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Filtering of traffic in wireless networks* | EIT/Teleinformatyka | 1 |
| Dr inż. hab. Piotr Remlein | *Developing a profile of legal traffic in wireless networks* | EIT /Teleinformatyka | 1 |
| Dr inż. Paweł Sroka | *Implementation of a Cooperative Awareness Messages generator for vehicular communications* | 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 | *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 |