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| **MASTER’S THESES** | | | | |
| **NO.** | **SUPERVISOR** | **TITLE OF THE THESIS** | **FIELD OF STUDY** | **THE NUMBER OF THE STUDENTS** |
|  | Prof dr hab.inż. Hanna Bogucka | *URLLC links management in 5G networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Hanna Bogucka | *Energy-efficiency optimization in 5G network segment* | EiT/ICT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Hanna Bogucka | *Comuping services uberization model in a fog network* | EiT/ICT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Hanna Bogucka | *Machine learning for definition of the radio equipment profile in the network* | EiT/ICT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Hanna Bogucka | *Energy-efficiency optimization in 5G network segment* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Krzysztof Cichoń | *Path loss modeling with deep neural networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Krzysztof Cichoń | *Intelligent application for disabled people navigation* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Filip Idzikowski | *Energy consumption models of the Internet of Things (IoT) devices* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Filip Idzikowski | *Failure protection of green backbone networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr hab.inż. Adrian Kliks | *Radio resource management in autonomous base stations* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr hab.inż. Adrian Kliks | *Radio resource management assignment among operators based on CBRS* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr hab.inż. Adrian Kliks | *Application of al tools for radio resource assignment for drone small cells* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr hab.inż. Adrian Kliks | *Implementation of the system for realization of typical city-games that utilizes mobile devices and web applications* | EiT/ICT/Teleinformatyka | 1/2 |
|  | Dr hab.inż. Adrian Kliks | *Traffic Steering application for Open RAN base satations* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr hab.inż. Maciej Krasicki | *Shuttle on demand – ICT solutions for public transport problems in rural areas* | EiT/ICT | 1 |
|  | Dr hab.inż. Maciej Krasicki | *A WLAN protocol analyser based on USRP devices* | EiT/ICT | 1 |
|  | Dr hab.inż. Maciej Krasicki | *Simulator of the turbo-decpder-an education app* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr hab.inż. Rafał Krenz | *PUT SatNOGS network node* | EiT/ICT/Teleinformatyka | 1/2 |
|  | Dr hab.inż. Rafał Krenz | *Modelling of a communication system for CubeSat satellites* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Paweł Kryszkiewicz | *Influence of frontend nonlinearities on properties of signals in a Massive MIMO system* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Paweł Kryszkiewicz | *Increase of multiantenna 5G/6G transmitter by efficiency by transmitted signal shaping* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Paweł Kryszkiewicz | *Passive radar detecting movement in rooms-implementation using Software Defined Radio technology* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Marcin Rodziewicz | *Indoor Lcalization with Wi-Fi Round-Trip-Time* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Marcin Rodziewicz | *Investigation of the influence of vehicle heterogeneity on the behavior of platoon of vehicles moving with the use of V2V communication* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż hab Piotr Remlein | *Analysis and detection of anomalies in 5G networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż hab Piotr Remlein | Filtorwanie ruchu w sieciach bezprzewodowych  *Filtering of traffic in wireless networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż hab Piotr Remlein | *Filtering of traffic in wireless sensor networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż hab Piotr Remlein | *Developing a profile of legal traffic in wireless networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Paweł Sroka | *Basic services in V2X communications* | EiT/ICT | 1 |
|  | Dr inż Paweł Sroka | *Analysis of dynamic congestion control (DCC) for V2X communications* | EiT/ICT | 1 |
|  | Dr inż Michał Sybis | *Implementation of efficient fixed point LDPC / PC code* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż Michał Sybis | *Comparison of ultra low complexity decoding algorithms for IoT transmission* | EiT/ICT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Jerzy Tyszer | *Masking of unknown states for built-in self-test applications* | EiT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Jerzy Tyszer | *Test coverage with test time constraints* | EiT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Jerzy Tyszer | A hybrid test generation scheme for logic built-in-self-test | EiT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Jerzy Tyszer | *Algorithmic testing of error correcting code logic in embedded memories* | EiT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Krzysztof Wesołowski | *OFDM transmission with minimized peak-to-average power ratio using compression and filtration and minimizing interference among subcarriers in the receiver using a neural network* | EiT/ICT | 1 |
|  | Prof dr hab.inż. Krzysztof Wesołowski | *LORA modem transmitter and receiver for application in Internet of Things* | EiT/ICT | 1 |
|  | Prof dr hab.inż. Krzysztof Wesołowski | *Comparison of standards for transmission in IoT systems* | EiT/ICT/Teleinformatyka | 1 |
|  | Prof dr hab.inż. Krzysztof Wesołowski | *Architecture of V2X communication system in 5G* | EiT/ICT/Teleinformatyka | 1 |