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| **MASTER’S THESIS** | | | | |
| **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 rate of telecommunications deices – is it a taboo subject?* | 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 | *Impelementation of the system for realization of typical city-games that utilizes mobile devices and webapplications* | 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 | .  *Modern channel coding techniques in radiocommunications.* | EiT/ICT | 1 |
|  | Dr hab. inż. Maciej Krasicki | *Channel estimation aided by machine learning.* | 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 | *Wake-up radio as an example of minimum energy consumption design.* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Paweł Kryszkiewicz | *Implementation of full-duplex modem using USRP platform.* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Marcin Rodziewicz | *Dynamic spectrum management in satellite systems* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Marcin Rodziewicz | *Radio location methods in cellular systems* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | *Transmission channel properties and security of wireless systems* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | *Improving security in 5G networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | *Authentication methods in 5G networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. hab. Piotr Remlein | *Wireless sensors networks* | EiT/ICT/Teleinformatyka | 1 |
|  | Dr inż. Paweł Sroka | *Synchronization for data communications using nanosatellites* | EiT/ICT | 1 |
|  | Dr inż. Paweł Sroka | *Comparison of existing vehicle-to-vehicle communications standards* | 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 | Optymalizacja pokrycia uszkodzeń przy zadanych ograniczeniach czasowych  *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 |