

ASTRONOMY/ASTROPHYSICS

- 1. IRX-M* relation out to redshift ~ 7**
SUPERVISOR: Maciej Koprowski
- 2. Optically thick globules in the solar vicinity**
SUPERVISORS: Jacek Krełowski and Andrzej Strobel
- 3. Polarimetry of stars with circumstellar disks**
SUPERVISOR: Agnieszka Słowikowska
CO- SUPERVISORS: Paweł Zieliński (Astronomical Observatory, University of Warsaw)
- 4. Control of a delta-type paralel kinematics machine using LinuxCNC and EtherCAT**
SUPERVISOR: Krystian Erwiński
- 5. Implementation of the RTIG algorithm in SoC architecture**
SUPERVISOR: Robert Frankowski
- 6. Development of half-bridge power module based on Gallium Nitride (GaN) power semiconductor devices dedicated for conversion of electric Energy**
SUPERVISOR: Łukasz Niewiara
- 7. Adaptive speed controller for PMSM drive – classical approach**
SUPERVISOR: Tomasz Tarczewski

COMPUTER SCIENCE

- 8. Mining of publicly available software repositories in context of replicable research**
SUPERVISOR: Piotr Przymus
- 9. Impact of scientific research contributions on software development**
SUPERVISOR: Piotr Przymus
- 10. Synthesis of unbounded Petri nets**
SUPERVISOR: Łukasz Mikulski
- 11. Spectroscopy with high-finesse cavities**
SUPERVISOR: Jolanta Domysławska
- 12. Plasmon Enhanced Fluorescence of PSI based electrode**
SUPERVISOR: Dorota Kowalska
- 13. „Thin” and „thick” silver nanowires as a source of luminescence enhancement**
SUPERVISOR: Dawid Piątkowski
- 14. Methods od multilinear algebra in multipartite quantum entanglement detection and data analysis**
SUPERVISOR: Gniewomir Sarbicki
- 15. Description of noncovalent interaction within ab initio DFT methods**
SUPERVISOR: Szymon Śmiga