



NTI – INSTITUTE OF NEW TECHNOLOGIES AND APPLIED INFORMATICS

Professional focus

The focus of the Institute is very wide, starting with applied informatics, through special technology and mathematical modelling, to the study of biological systems. Seemingly different fields are connected at our Institute by close interdisciplinary links, which allow us to solve issues in the above-mentioned specializations. Interdisciplinary links are effective and allow the introduction of qualitative new knowledge across the individual fields.

Working groups

- Laboratory of applied Informatics,
- Laboratory of computer simulations,
- Laboratory of optical measurements,
- Laboratory of antimicrobial studies.

Other activities

- creating maps for unmanned ground vehicle (UGV) navigation systems,
- 3D printing of prototype parts,
- commercial applications of simulation software, especially ANSYS.

References

- PEGAS NONWOVENS s.r.o. – Long-term collaboration in the field of prediction of the properties of non-woven fabrics by means of mathematical modelling,
- AUFEER DESIGN, s.r.o. – Measurement of the mechanical properties of selected automotive components,
- IMA s.r.o. – Development and verification of HW and SW of embedded systems,
- Wrocław University of Science and Technology – collaboration with the Faculty of Mechanical Engineering in the field of unmanned ground vehicle and unmanned aerial vehicle systems (UGS, UAS).

