

The Applied Technology in Health center carries out interdisciplinary research and technology development activities that consolidate knowledge accumulated in the areas of healthcare, telemedicine, information and communication technology. These activities aim to create high-tech tools and services in support of the prevention, diagnostics, and treatment of diseases with pronounced social significance. The main efforts are focused on the development of advanced methods for breast cancer diagnostics, technological support to the diagnostics of the Alzheimer’s disease, the detection of negative emotional states and neurological disorders, stress level assessment etc. The Center coordinates and supports national and international projects, and organizes training courses, workshops, and scientific events.

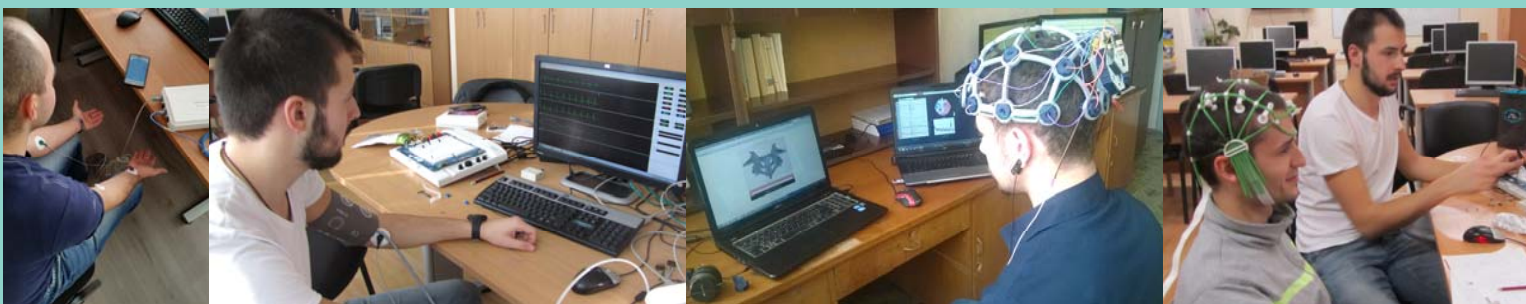
Scientific Conference «Innovation & Business»

The Center organizes the annual scientific conference «Innovation & Business», an event which brings together professionals from the academia, high-tech business, and organizations involved in healthcare services. The conference provides opportunities for ideas exchange, the establishment of a closer collaboration and interdisciplinary joint activities, and broadening the partnership among these institutions. The thematic orientation is towards the creation of innovative tools, services, and solutions in support of healthcare activities, improving the quality of life of patients with special needs, and facilitating the activities of organizations that provide support to patients in their homes as well as to their families.



Research and Technology Development Projects

The Center actively participates in the organization and implementation of projects co-financed by the National Science Fund of Bulgaria and European Union. Recent projects are «Capacity building for Centre “Applied Technology in Health”» financed by the Structural Funds of the European Union (2013-2014), «Development of advanced methods for automated analysis of EEG signals for detection of negative emotional states and neurological disorders» (2015), «Technological support for improving the quality of life of people with the Alzheimer’s disease» (2015), «Capacity building for excellence in the areas of bioacoustics, biometrics and biomedical technology» (2014) etc. The Center also actively supports the implementation of projects co-financed by the programme Horizon 2020 of the European Union. Currently Technical University of Varna is the coordinator of project «MaXIMA –Three dimensional breast cancer models for X-ray Imaging research» (2015-2018) (<http://maxima-tuv.eu/>).



HORIZON 2020
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for Research & Innovation



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