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CLO-2IN-TEX Conference Summarising the Project

On the 5th March 2012, the Faculty of Material Technologies and Textile Design of the Technical University of Łódź held a conference on the topic of: DEVELOPMENT OF A RESEARCH INFRASTRUCTURE FOR INNOVATIVE TECHNIQUES AND TECHNOLOGIES OF THE TEXTILE-CLOTHING INDUSTRY. The Project was implemented from the resources of the Operational Programme Innovative Economy 2007-2013, within the framework of 2nd priority: R&D Infrastructure Development of Facilities with High Research Potential. ('Donations for Innovations').

The aim of the project was to create a research infrastructure that helps the Polish textile & clothing industry to support the development of innovative technologies. Thanks to the project realisation, modern technological and metrological laboratories were built. The development of metrological laboratories allowed to initiate a procedure of accreditation. Within the framework of the project, the laboratories of the following three departments were modernised: the Department of Knitting, the Department of Clothing Technology and Textronics, and the Department of Material and Commodity Science and Textile Metrology.

The effect of the Project was the introduction of radical innovations and a breakthrough in the Polish textile-clothing industry, transforming it from a traditional branch of the economy into an industry based on knowledge and modern technological solutions, as well as a move from mass production to individual, personalised multifunctional products of high quality and human-friendliness, protecting both health and life. Thanks to the project, there will be the possibility of tightening cooperation between science and industry, which should bring about an increase in the competitiveness of Polish companies, a rise in the number of new workplaces in the industry, and an improvement in the quality of life, health and human safety.

During the Conference, Prof. Ryszard Korycki, the Project's Coordinator, summarised the achievements related to the development of laboratories. Afterwards the representatives of the Project's Controlling Community – Professors Iwona Frydrych, Krzysztof Kowalski, Krzysztof Gniotek and Izabella Krucińska presented the achievement of their teams. Among the 80 guests who attended the Conference were representatives of provincial authorities, partner universities, sector institutes, high schools with a clothing profile and representatives of the textile & clothing industry. In the subsequent part of the ceremony, guests visited the modern laboratories developed.

Some of the equipment and apparatuses which the visitors could observe in action are listed below:

technological lines for processing different kinds of ready-made clothing, modelling systems with a 3D scanning camera for designing clothing, computer programmable flat weft knitting machines working with a CAD/CAM designing system for knitted products, thermal movable manikins with climatic chambers and equipment for testing comfort and radiation protection, metrological and physical property measuring apparatuses as tensile testers, Kawabata system, SEM and AFM microscopes, WAXC and SAX diffractometers, among others.

The Total cost of the project amounted to 20,684,783.63 PLN, from which 85% was covered by the European Regional Development and 15% by National Public Funds. Funds assigned for buying and launching the apparatus and equipment amounted to 18,052,611.46 PLN.

On behalf of the team for promotion of the project

S. Sztajnowski Ph.D, Eng.



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