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Review of the research work of *Petrosova Irina* with the subject "Developing a methodology for designing exterior forms of garments based on 3D scanning**"**

Petrosova I. A. conducted research on this topic in our laboratory during a scientific internship from September 15 until December 15 2010. She proposed a new technology for noncontact examination of various objects. Irina developed an new and innovative approach for 3D-body scanner, which is in principle different from already known body scanning systems. These exist in various modifications based on using laser emission and structured white light (e.g. Human Solution (Germany), TC2(USA), SymCad (France), etc.)

I consider such a technique which is able to capture human and textile shapes and to describe them numerically to be very interesting for business and science. The utilization of this technology looks very promising and suitable for daily use with the constraint of a high number of customers to be scanned. Additionally, the research presented lays the foundation for the development of 3D virtual try-on systems. Thus, this research work is contemporary and possesses a wide range of practical usability.

Prof. Dr.-Ing. Jens Schuster