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## Personalized e-healthcare in the connected world-The applications and use cases of new emerging technology

The aim of this presentation is to describe examples of health care use cases leveraging potential of digital technologies like remote patient monitoring devices, smart-phones' applications, data gateways care delivery platforms and machine learning techniques to boost diagnosis and disease management as well as to improve quality of life and reduce healthcare-related costs. It demonstrates how patients can receive better tailored diagnostics and treatment by monitoring of selected physiological parameters of patients such as blood pressure, heart rate, glucose, weight and others, transferring them to cloud based platform for correlating with data drawn from other sources and unleashing the power of data mining algorithms. The report includes examples of innovations enabled by healthcare platform delivered by DIFMED LTD that offers tracking of patients' health conditions. The smart-phone technology and remote monitoring devices were used to enable physicians to proactively act before the health conditions of patients significantly deteriorated or became critical. The presented user stories proved the potential of digital technologies to propel transformation towards a preventive, proactive and personalized medicine. This kind of healthcare will soon target the needs and expectations of digital and network native patient's generation. It will become more and more important in the society facing the constantly growing problem of civilization –related chronic diseases and lack of financial resources for the maintenance of more and more expensive healthcare systems.

### Biography

Robert Skalik is a consultant in cardiology and is an exercise physiologist. He completed his PhD in Echocardiography from Medical University of Wroclaw. He covered internship in Department of Cardiology, Free University of Amsterdam, the Netherlands. He is a Lecturer in Postgraduate School of Cardiology, University of Perugia and an academic teacher and researcher in Department of Physiology. He is former consultant in cardiology in Department of Cardiac Surgery and Cardiology, Medical University of Wroclaw and former Head of Department of Cardiac Rehabilitation, Wroclaw. He underwent private practice in cardiology, Wroclaw and is a research projects evaluator for EU. He has published 103 papers on cardiology and human physiology.

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