



Rauno Heikkilä

Professor, Docent, Dr. Tech, Structures and construction Technologies, Automation and Robotics in Construction and Mining

Dr. Rauno Heikkilä is a professor of digitalized construction and mining operations in the mechanical engineering of Faculty of Technology at University of Oulu, Finland. He is the head of Structures and Construction Technology Research Unit. He received his Dr. Tech in 1996 from the University of Oulu. His major research interests cover structures and construction technology, engineering mechanics, information modelling (BIM in construction) automation and robotics in the construction of roads, railways, fairways, bridges and buildings as well as in mining.

About University of Oulu (www.oulu.fi/english)

The University of Oulu is an international research and innovation university engaged in multidisciplinary basic research and academic education. The University of Oulu is one of the largest universities in Finland with an exceptionally wide academic base. Internationally pioneering research is conducted as a collaboration of different disciplines. The University encompasses ten fields of study: Humanities, Education, Economics and Business, Science, Medicine, Dentistry, Health Sciences, Mining, Information Technology and Electrical Engineering, and Technology. In all, more than 70 different specialist disciplines are represented. In Oulu, the University operates on two campuses: Linnanmaa and Kontinkangas. The fields of information technology, biotechnology, northern and environmental issues have been defined as special research focus areas. The University cooperates closely with industry and commerce, and has broad connections with hundreds of international research and educational institutions.

Research Interests

Structures and Construction Technology, Mechanical Engineering, Information Modelling, Automation and Robotics in Construction and Mining, Building Information Modelling (BIM), Automated vehicles and machines, Mechanization of Construction and Mining Work Tasks, Automated Guidance and Control of Mobile Working Machines, Dynamic and Flexible Control and Management of Production Process and Site Operations.
