

First name and surname of supervisor



Academic degrees : DSc. PhD. Eng., Assoc. Prof.

Position : Associate Professor

Engineering - technical field

Discipline Mechanical engineering

Academic qualifications:

Member of Mechanical Engineering Scientific Discipline Board and Faculty Council in Faculty of Mechanical Engineering

Membership in professional and academic boards :

Member of International Scientific Committee of euspen (The European Society for Precision Engineering and Nanotechnology), Scientific secretary and member of IMEKO TC 14 Committee, Secretary and founding member of the Scientific Society for Coordinate Metrology, member of the Polish Association for the Promotion of Computer Engineering Systems "ProCAx"

Academic merits :

I am an author/co-author of more than 100 research papers, including one monography, 17 chapters in monographies and more than 20 papers published in JCR indexed international journals. I have also presented the results of my research at over a dozen of international scientific conferences, e.g. at the IMEKO World Congresses in Busan in 2012, in Prague in 2015 (award for the best publication with the participation of young scientists), in Belfast in 2018 and in Hamburg 2024. I am also co-author of 4 patents for material standards used for determination of probing systems errors. I act as a reviewer in many internationally recognized scientific journals for which I have already performed more than 200 reviews and has a status of "Outstanding Reviewer" in three of them ("Precision Engineering", "Measurement" and "Measurement, Science & Technology"). I was also an expert reviewer in projects submitted to The European Metrology Programme for Innovation and Research (EMPIR). I coordinated the entry of the NSMET National Network of Coordinate Metrology infrastructure into the Polish Research Infrastructure Map and was the project manager of the same title aimed at building the Laboratory of Ultra-Precise Coordinate Measurements and equipping it with the most modern research equipment. I was a principal investigator in three research projects (prestigious LIDER program financed by NCBiR, NCN SONATA program and project financed in the scope of Polish Metrology programme), supervisor of one project for young researchers and a member of research group in 7 other projects. Head of one European project in the scope of Erasmus+ programme and local coordinator of 2 European research projects. In 2011 I was awarded a PhD with distinction at Faculty of Mechanical Engineering, Cracow University of Technology and was the youngest PhD promoted in 2011 at this university. In 2018 I was awarded higher doctorate degree - DSc (habilitation) also as a youngest scientist who received this degree on that year at Cracow University of Technology. As a member of accredited calibration lab I cooperate with many companies from different branches of industry. They include Volkswagen, Fiat Auto Poland, ALSTOM Power, ArcelorMittal, APTIV, Hexagon Metrology GmbH, Carl Zeiss, Renishaw, etc. I am responsible for coordination of international cooperation of Laboratory of Coordinate Metrology with OST Buchs, Univ. di Padova, TU Braunschweig, International Space University Strasbourg, University of Belgrade, Centro de Apoio Tecnológico Indústria Metalomecânica, University of Novi Sad.

Professional qualifications/language skills

I am available as a supervisor of PhD Dissertations prepared in English.

Research field :

My scientific interests include issues related to coordinate metrology (in scales ranging from nanometers to large volume objects), in-process metrology, coordinate measuring systems (including mobile measuring systems and computed tomography systems), measurement accuracy, simulation and numerical methods in metrology (especially the Monte Carlo method) and methods for identifying and correcting geometric errors of machines.

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Useful links :

lmw.pk.edu.pl, www.researchgate.net/profile/Adam_Gaska