Maciej Szkoda



Academic degrees : doctor habilitatus in Engineering, prof. of CUT

Position : Professor

Engineering - technical field

Discipline Mechanical engineering

Academic qualifications:

Head of the Department of Rail Vehicles and Transport
Senator at the Cracow University of Technology

Membership in professional and academic boards:

Association of Mechanical Engineers and Technicians (SIMP)
Polish Scientific and Technical Society for Plant Operations (PNTTE)

Academic merits:

Author or co-author of 130 scientific publications, including 14 listed in the Journal Citation Reports database and 1 monograph. Principal investigator on 240 research and development (R&D) projects relating to the application of methods and solutions developed in the field of reliability and safety assessment, risk analysis, the operation of rail vehicles and the assessment of the effectiveness of transport projects, carried out at the Kraków University of Technology on behalf of domestic or foreign companies or state institutions. Served as project manager on 150 of these projects. Participant in 9 international research projects. Between 2018 and 2020, he was repeatedly honoured with the Rector's Award of the Krakow University of Technology for his scientific, teaching and organisational achievements.

Professional qualifications/language skills:

english

Research field:

Scientific and research activities fall within the disciplines of Mechanical Engineering as well as Civil and Transport Engineering. The key areas of research include:
− life cycle cost (LCC) and life cycle management (LCM),
− assessment of the effectiveness of transport projects,
− risk and safety assessment in rail transport,
− RAMS (Reliability, Availability, Maintainability, Safety) assessment of means of transport,
− assessment of the Safety Integrity Level (SIL) of technical systems,
− research into the reliability and durability of technical installations,
− operation and maintenance of rail vehicles,
− East–West transport systems, intermodal transport,
− corporate logistics.

Address

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Useful links:

https://m8.mech.pk.edu.pl/index.php/pracownicy/szkoda-maciej/