

Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: dr hab. inż. Marek Chalecki	
Academic discipline/disciplines	Civil Engineering, Geodesy and Transport
Professional development (degrees and titles) in chronological order	<ul style="list-style-type: none"> • Master of Science (June 1999) – Warsaw University of Technology, Faculty of Automotive and Construction Machinery Engineering: mechanics and machine construction • Doctoral degree (PhD, May 2004) – Warsaw University of Technology, Faculty of Automotive and Construction Machinery Engineering: technical sciences, machine construction and exploitation • Habilitation degree (October 2025, with effect from 1.01.2026) – Technical University in Ostrava (VSB-TUO): Civil Engineering, Geodesy and Transport
Most important publications/patents in the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Nagirniak, M., Chalecki, M., <i>Certain issues in the analytical integration of the Boussinesq problem</i>, <i>Frattura ed Integrita Strutturale</i>, 2026, 75, pp. 213-219 2. Chalecki, M., <i>Analiza stateczności konstrukcji ramowych z węzłami podatnymi</i>, <i>Inżynieria i Budownictwo</i>, 2023, LXXXI, 5, s. 552-557 3. Holenko, K., Dykha, A., Koda, E., Kernytsky, I., Royko, Y., Horbay, O., Berezovetska, O., Rys, V., Humeniuk, R., Berezovetskyi, S., Chalecki, M., <i>A Low-Entry Bus Body Structure Performance under the Conditions of the New Car Assessment Program Frontal Crash Tests</i>, <i>SAE Int. J. Trans. Safety</i>, 2025, 2025-04-09, 13, 2 4. Nagirniak, M., Chalecki, M., <i>Approximate Solutions for Displacements in an Elastic Layer Subjected to Circular or Square Loads</i>, <i>Symmetry</i>. 2024; 16:1475 5. Bayat, H., Chalecki, M., Leśniewska, A., Maj, M., Rybak, J., Ubysz, A., <i>The cyclic load effect on the elasticity and plasticity deformation of high-strength reinforced concrete elements</i>, <i>Archives of Civil and Mechanical Engineering</i>, 2024, 24 (2), 1-14 6. Chalecki, M., <i>Selected problems of modelling of construction elements with variable material and geometrical properties</i>. 2023, Warszawa, Wyd. SGGW 7. Chalecki, M., <i>FEM matrices for problems of free vibrations and buckling of a truncated cone beam</i>. <i>Transactions of the VSB -</i>

	<p>Technical University of Ostrava, Safety Engineering Series, 2023, 23(1), 1-7</p> <p>8. Holenko, K., Koda, E., Kernytskyy, I., Babak, O., Horbay, O., Popovych, V., Chalecki, M., Leśniewska, A., Berezovetskyi, S., Humeniuk, R., <i>Evaluation of Accelerator Pedal Strength under Critical Loads Using the Finite Element Method</i>. Applied Sciences, 2023; 13(11), 1-20</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	2016: Auxiliary supervisor of dr. inż. Vazgen Bagdasaryan
Achievements in the area of projects/grants (in the last 5 years)	n/a
Subject area of the research project for which the candidate student is being recruited	Problems of structural mechanics in numerical context
<p><u>Contact details:</u></p> <p>Institute</p> <p>E-mail address</p> <p>Telephone number</p>	<p>Institute of Civil Engineering</p> <p>marek_chalecki@sggw.edu.pl</p> <p>5935125</p>