

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

Name and surname, degree, title: Michał Szymański , D.Sc.	
Discipline/ disciplines of science	Information and communication technology Automation, electronics and electrical engineering
Professional development (degrees and titles) in chronological order	MSc – electronics (Warsaw University of Technology), 1993 . Ph.D. - technical sciences (Institute of Electron Technology, Warsaw), 2000 . D.Sc. - technical sciences, discipline: electronics (Institute of Electron Technology, Warsaw) - 2017 .
Most important publications/patens over the last 3 years (maximum 10)	1. "High-Power 1770 nm Emission of a Membrane External-Cavity Surface-Emitting Laser", A. Broda, B. Jeżewski, M. Szymański , J. Muszalski, <i>IEEE Journal of Quantum Electronics</i> , vol. 57, no. 1, pp. 1-6, 2021 . 2. "Two-dimensional model of heat flow in edge-emitting laser revisited: A new and more versatile approach", M. Szymański , A. Kozłowska, A. Małąg, P. Hoser, <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , e2745, pp. 1-10, 2020 . 3. "Growth and characterization of InP-based 1750 nm emitting membrane external-cavity surface-emitting laser", A. Broda, B. Jeżewski, I. Sankowska, M. Szymański , P. Hoser, J. Muszalski, <i>Applied Physics B</i> 126, 192, 2020 . 4. "Optimization of technology of diode laser mirror processing to maximize the threshold of catastrophic optical degradation", E. Dąbrowska, M. Teodorczyk, M. Szymański , A. Małąg, <i>Optica Applicata</i> , Vol. L, No. 4, 2020 .
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	
Project/grants achievements (from the last 10 years)	
Topic – research problem – for which the candidate supervisor seeks a doctoral student	Mathematical modeling of semiconductor devices with particular emphasis on heat flow and waveguide effects. Application of global optimization methods.
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