Curriculum Vitae

<table>
<tr><td rowspan="6">Personal Information</td><td>Name</td><td>Tomasz Tański</td><td>Gender</td><td>Male</td><td rowspan="3">  </td></tr>
<tr><td>Academic Title</td><td colspan="3">Associate Professor</td></tr>
<tr><td>College</td><td colspan="3">The Silesian University of Technology</td></tr>
<tr><td>Discipline</td><td colspan="4">Materials Engineering</td></tr>
<tr><td>Email</td><td colspan="4">tomasz.tanski@polsl.pl</td></tr>
<tr><td>Mail Add.</td><td colspan="4">Faculty of Mechanical Engineering, The Silesian University of Technology, Konarskiego 18A,
Room 366, 44-100 Gliwice, Poland</td></tr>
<tr><td>Educational Background</td><td colspan="5">06.07.2001, Silesian University of Technology, Faculty of Mechanical Engineering, profile: Material Processing Technologies, Quality Management Systems and employing advising, MSc
19.12.2006, Silesian University of Technology, Faculty of Mechanical Engineering, profile: Materials Engineering, PhD
04.12.2012, University of Żilina, Faculty of Mechanical Engineering, profile: Materials, DSc
01.09.2013, Head of Division of Materials Processing Technology, Management and Computer Techniques in Materials Science, Institute of Engineering Materials and Biomaterials,
01.12.2014, Silesian University of Technology, Faculty of Mechanical Engineering, Associate Professor of the Silesian University of Technology</td></tr>
<tr><td>Working Experience</td><td colspan="5">01.12.2014, Associate Professor of the Silesian University of Technology, Faculty of Mechanical Engineering
01.10.2015-31.08.2017, Director of the Centre for Nanotechnolgy
2017-2019, Director of Institute of Engineering Materials and Biomaterials
2019-2021, Head of Division of Engineering Materials and Biomaterials</td></tr>
<tr><td>Research Interests</td><td colspan="5">Nanomaterials, Nanocomposites, Biomaterials, Heat Treatment, Aluminium alloys</td></tr>
<tr><td>Major Publications*</td><td colspan="5">1. W.M. Ventura, D.C. Batalha, H.V. Fajardo, J.G. Taylor, N.H. Marins, B.S. Noremberg, T. Tański, N.L.V. Carreno, Catalysis communications, 99 (2017) 135-140.
2. T. Tański, W. Matysiak, Ł. Krzemiński, Analysis of optical properties of TiO2 nanoparticles and PAN/TiO2 composite nanofibers, Materials and Manufacturing Processes 32/11 (2016) 1218-1224.
3. M. Nowak, T. Tański, P. Szperlich, W. Matysiak, M. Kępińska, D. Stróż, Ł. Bobere, B. Toroń, Using of sonochemically prepared SbSI for electrospun nanofibers, Ultrasonics – Sonochemistry 38 (2017) 544–552.</td></tr>
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	4. T. Tański, W. Matysiak, Synthesis of the novel type of bimodal ceramic nanowires from polymer and composite fibrous mats, Nanomaterials 8/3 (2018) 179-204. 5. W. Matysiak, T. Tański, P. Jarka, M. Nowak, M. Kępińska, P. Szperlich, Comparison of optical properties of PAN/TiO2, PAN/Bi2O3, and PAN/SbSI nanofibers, Optical Materials 83 (2018) 145–151. 6. W. Matysiak, T. Tański, M. Zaborowska, Manufacturing process, characterization and optical investigation of amorphous 1D zinc oxide nanostructures, Applied Surface Science 442/1 (2018) 382-389. 7. J. Hlinka, M. Kraus, J. Hajnys, M. Pagac, J. Petru, Z. Brytan, T. Tański, Complex Corrosion Properties of AISI 316L Steel Prepared by 3D Printing Technology for Possible Implant Applications, Materials, 13/7 (2020) 1527. 8. G.M. Fanta, P. Jarka, U. Szeluga, T. Tański, J.Y. Kim, Phase Behavior of Amorphous/Semicrystalline Conjugated Polymer Blends, Polymers, 12/8 (2020) 1726. 9. W. Matysiak, T. Tański, W. Smok, K. Gołombek, E. Schab-Balcerzak, Effect of conductive polymers on the optical properties of electrospun polyacrylonitryle nanofibers filled by polypyrrole, polythiophene and polyaniline, Applied Surface Science, 509 (2020) 145068. 10. W. Matysiak, T. Tański, W. Smok, Synthesis of hybrid amorphous/crystalline SnO2 1D nanostructures: investigation of morphology, structure and optical properties, Scientific Reports, 10/1 (2020) 14802.
Research Projects*	1. National Science Centre Poland (2014/15/B/ST8/04767): Investigation of structure and properties of newly developed nanostructured materials including biomodal materials including the developed with their involvement hybride composite materials, Head. 2. National Science Centre Poland (2014/15/B/ST8/03184): Optimization of the grain refinement effect to the nano range in Mg-Li alloys with variable crystal structure by severe plastic deformation, Principal investigator. 3. National Science Centre Poland (2016/23/B/ST8/02045): New polymer constructions for photovoltaic cells, Principal investigator. 4. Operational Programme Research, Development And Education, OP RDE (823786): Integration of advanced experiments, computation and data for Duplex Stainless Steel joining innovation, i-Weld, Principal investigator. 5. Operational Programme Research, Development And Education, OP RDE (10/010/ZZD18/0258): Innovative and additive manufacturing technology – new technological solutions for 3D printing of metals and composite materials, Manager.
Professional Membership	Member of the: • Polish Association of Innovative Heaping Technologists, HEFAJSTOS, • Metal Science Section of the Committee of Metallurgy of the Polish Academy of Sciences, • American Ceramic Society, • Board of Review of the journal Archives of Metallurgy and Materials,

	• Scientific committee of the Journal of Transactions at the Institute of Ferrous Metallurgy, • Editorial committee of the time of the magazine "Heat Treatment and Surface Engineering "by Taylor & Francis Group, • Editorial board members of Solid State Phenomena.
Potential Research Projects**	• Advanced nanomaterials with unique optical and electrical properties for solar cells, energy storage, photocatalysis, especially one-dimensional nanomaterials: nanofibers, nanowires, nanotubes • Analysis of the micro/nanostructure and properties of heat-treated and/or ductile cast aluminium, magnesium alloys • Thin films with unique optical and electrical properties

* Please list achievements of recent 5 years

** This CV is intended to match Chinese and Polish Scientists within SPUC member universities, and Potential Research Projects is intended to apply for Sino-Polish or EU scientific cooperation projects.