Curriculum vitae

Janek Kozicki, PhD. DSc. Arch. Associate Professor   Gdańsk University of Technology
born: 15 December 1978   Faculty of Applied Physics and Mathematics
Institute of Physics and Applied Computer Science
Division of Theoretical Physics and Quantum Information

Education:

- **2023**   **PhD** in Theoretical Physics, Faculty of Applied Physics and Mathematics, Gdańsk Tech. Specialty: **Quantum dynamics**, „Numerical modeling of quantum dynamical processes", Promoters: Prof. Józef E. Sienkiewicz, Dr eng. Patryk Jasik

- **2015**   **M.Sc.** in Theoretical Physics, Fac. of Mathematics, Physics and Inf., University of Gdańsk, Specialty: **Quantum dynamics**, „Time dependent approach to hydrogen-positron reactive collision", Promoter: Prof. J. Czub.

- **2014**   **Habilitation** in Technical Sciences, Civil Engineering, Gdańsk University of Technology, Specialty: **Classical material dynamics**, „Numerical modelling of microstructure in engineering materials using discrete element method".

- **2013**   **B.Sc.**, Faculty of Mathematics, Physics and Informatics, University of Gdańsk, Specialty: **Theoretical Physics**.

- **2007**   **PhD** in Technical Sciences, Civil Engineering, Gdańsk University of Technology, Specialty: **Classical dynamics of discrete elements**, „Application of Discrete Models to Describe the Fracture Process in Brittle Materials", Promoter: Prof. J. Tejchman.

- **2004**   **M.Sc. Architect**, Faculty of Architecture, Gdańsk University of Technology, Specialty: Architecture on Mars, Promoter: Dr. W. Leszkiewicz.

- **2002**   **M.Sc.,** Civil Engineering, Gdańsk University of Technology, Specialty: Construction theory, Promoter: Prof. J. Tejchman.

Awards and Achievements:

- **2004 - 2025**   Creation and support of the numerical simulation tool YADE, which was used worldwide to write **28 PhD theses** (full list here: https://www.yade-dem.org/doc/publications.html on the bottom of the page). The software was created in collaboration with universities from France, Great Britain, USA, Ukraine, Austria and Germany.

- **2011 - 2014**   Member of the commission for the evaluation of applications for the Ministry of Science and Higher Education prize.

- **2010 - 2013**   Ministry of Science and Higher Education prize, granted to **32 best scientists in Poland**, under age 35.

- **2008 - 2009**   An award for young scientists „START", granted in two consecutive years by Foundation for Polish Science to **100 best scientists in Poland** under age 31.

- **2007**   2nd place in „Space Settlement Calendar Art Contest" held by National Space Society, USA

- **2005 - 2006**   Two PhD research grants from the dean of Civil and Environmental Engineering Faculty.

- **2005**   An award for young scientists from Lotos, Polpharma and Jabil Circuit Poland companies.

- **1998**   2nd place in Mathematics-Physics Competition held at the Gdańsk Tech.

- **1998 - 1999**   Commend of Vice Chancellor for Education for students achieving best results in studies on Architecture Faculty, Gdańsk University of Technology.

- **1997 - 2002**   Yearly commend of Vice Chancellor for Education for students achieving best results in studies on Civil and Environmental Engineering Faculty, Gdańsk University of Technology.

- **1995**   Participation in Informatics and Programming Polish National Competition, Stage II.

- **1994 - 2005**   Multiple awards at Night Orienteering competitions on rough terrain (forests and swamps) held each year by Student Association of Tourist Guiders.

International Scholarships:

• 10-11.2001	Great Britain, 2 month scholarship at University of Birmingham. Numerical modeling of granular materials with Discrete Element Method, under supervision of Prof. C. Thornton.
• 06-12.2005	France, 7 month scholarship at University Joseph-Fourier in Grenoble. Numerical modeling of granular and cohesive materials, under supervision of Prof. F. Donze.
• 2008-2009	France, post-doc at University Joseph-Fourier in Grenoble. Numerical modeling of snow using YADE software, under supervision of Prof. J. Meyssonnier and Prof. F. Donze.
• 03.2009	USA, University Utah, Salt Lake City, invited by Prof. J. D. Miller to conduct a seminar on working with YADE software, focusing on rock fracturing.

Languages:

• English	Excellent, over 60 publications, two PhD theses and two books written in English. First Certificate in English (1997), Cambridge English: Advanced (2012)
• French	Communicative.
• Russian	Communicative.

Computer Knowledge:

• languages	C++ (STL, Boost), TeX, Latex, gnuplot bash, zsh, C, pascal, OpenGL, QT3, QT4 lisp, RPL, OCaml, saturn assembler	— excellent, over 25 years experience, — medium, over 15 years experience, — basics, below 1 year experience.
• linux	administration, maintenance, office sw.	— over 25 years debian linux experience
• software	vim, autocad, YADE	— over 20 years experience

Publications:

• 2001-2025	Over 60 publications, full list on google scholar profile: http://scholar.google.pl/citations?hl=en&user=YtHLDagAAAAJ And university profile: https://mostwiedzy.pl/en/jan-kozicki,19725-1/publications

Books:

• 2009	J. Tejchman, J. Kozicki, "Steel-fibrous concrete, experiments and a numerical model". Gdansk University of Technology Publishers.
• 2010	J. Tejchman, J. Kozicki, "Experimental and Theoretical Investigations of Steel-Fibrous Concrete". Springer Series in Geomechanics & Geoengineering.

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