Curriculum Vitae

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<tr><td rowspan="6">Personal Information</td><td>Name</td><td>Piotr Oprocha</td><td>Gender</td><td>Male</td><td rowspan="3">  </td></tr>
<tr><td>Academic Title</td><td colspan="3">Professor, PhD</td></tr>
<tr><td>College</td><td colspan="3">Faculty of Applied Mathematics,
AGH University of Science and Technology</td></tr>
<tr><td>Discipline</td><td colspan="4">Mathematics</td></tr>
<tr><td>Email</td><td colspan="4">oprocha@agh.edu.pl</td></tr>
<tr><td>Mail Add.</td><td colspan="4"></td></tr>
<tr><td>Educational Background</td><td colspan="5">2018, Title of Professor, Scientific title awarded by the President of Poland, Poland.
2011, Habilitation in Mathematics, Jagiellonian University, Poland.
2005, Ph.D. in Mathematics, Jagiellonian University, Poland.
2004, M.S. in Computer Science, Jagiellonian University, Poland.
2001, M.S. in Mathematics, Jagiellonian University, Poland.</td></tr>
<tr><td>Working Experience</td><td colspan="5">2020-present, Dean, AGH University of Science and Technology, Poland.
2012-2020, Deputy Dean for Science, Professor, AGH University of Science and Technology, Poland.
2011-2015, Visiting Professor, Institute of Mathematics, Polish Academy of Sciences, Poland.
2009-2011, Marie-Curie Fellow, Universidad de Murcia, Spain.
2006-2012, Adiunct/Associate Professor, AGH University of Science and Technolog, Poland.
2002-2006, Assistant Professor, AGH University of Science and Technology, Poland.</td></tr>
<tr><td>Research Interests</td><td colspan="5">Oprocha’s research concentrates on topological dynamics understood in broad sense. He is author of more than 100 research papers covering such topics as topological theory of discrete dynamical systems, topological chaos theory, topological methods in dynamics including inverse limits and fixed point methods, symbolic dynamics (shift spaces), automata and languages theory. His recent research interest includes dynamics on Cantor set, shadowing property and continuum theory in dynamical systems. His toolbox includes methods from ergodic theory, smooth dynamics, combinatorics, algebra or number theory.</td></tr>
<tr><td>Major Publications*</td><td colspan="5">1. P. Oprocha, P. Potorski, P. Raith, Mixing properties in expanding Lorenz maps, Adv. Math., 343 (2019), 712-755, https://doi.org/10.1016/J.AIM.2018.11.015.
2. P. Oprocha, Double minimality, entropy and disjointness with all minimal systems, Discrete Contin. Dyn. Syst., 39 (2019), 263–275, https://doi.org/10.3934/DCDS. 2019011.</td></tr>
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	3. J. Boroński, A. Clark and P. Oprocha, *A compact minimal space* Y *such that its square* Y × Y *is not minimal*, Adv. Math., **335** (2018), 261-275, https://doi.org/10.1016/ J.AIM.2018.07.011. 4. W. Brian, P. Oprocha,*Ultrafilters and Ramsey-type shadowing phenomena in topo- logical dynamics*, Israel J. Math., (2018) **227**, 423-453, https://doi.org/10.1007/ S11856-018-1739-4. 5. J. Li, P. Oprocha, *Properties of invariant measures in dynamical systems with the shadowing property*, Erg. Th. Dynam. Syst., **38** (2018), 2257-2294, https://doi.org/ 10.1017/ETDS.2016.125. 6. J. Li, P. Oprocha, X. Ye and R. Zhang, *When are all closed subsets recurrent?*, Erg. Th. Dynam. Syst., **37** (2017), 2223-2254, https://doi.org/10.1017/ETDS.2016.5. 7. J. Boroński and P. Oprocha, *On entropy of graph maps that give hereditarily indecom- posable inverse limits*, J. Dyn. Diff. Eq., **29** (2017), 685-699, https://doi.org/10. 1007/S10884-015-9460-Z. 8. P. Oprocha, *Shadowing, thick sets and the Ramsey property*, Erg. Th. Dynam. Syst., **36** (2016), 1582–1595, https://doi.org/10.1017/ETDS.2014.130. 9. M Foryś, W. Huang, J. Li and P. Oprocha, *Invariant scrambled sets, uniform rigidity and weak mixing*, Israel J. Math., Israel J. Math., **211** (2016), 447-472, https://doi. org/10.1007/S11856-015-1278-1. 10. H. Bruin and P. Oprocha, *On "observable" Li-Yorke tuples for interval maps*, Nonlin- earity, **28** (2015), 1675-1694, https://doi.org/10.1088/0951-7715/28/6/1675.
Research Projects*	2020-2021, Project no. 883748 — LISEDIDYS, Supervisor of Jana Hántaková. H2020, MSCA-IF-2019 Individual Fellowships 2020-2021, Project no. 477132/PnH2/2020, Principal Investigator. Ministery of Science and Higher Education, Poland 2020-2024, Project no. 2019/35/B/ST1/02239, Principal Investigator. Research grant from Narodowe Centrum Nauki (National Science Center) in Poland 2018-2020, Project no. 2017/25/B/ST8/01823, Mathematics working group leader. Research grant from Narodowe Centrum Nauki (National Science Center) in Poland; Interdis- ciplinary project at interface of mathematics, computer science and metallurgy 2016-2018, Project no. POIR.01.01.01-00-0165/16, R&D Expert. Research grant from Smart Growth Operational Programme of EU; R&D group leader (2016- 2018) 2016-2018, Project no. 2015/17/B/ST1/01259, Principal Investigator. Research grant from Narodowe Centrum Nauki (National Science Center) in Poland 2013-2017, COST Targeted Network TN1301, Management Committee. COST Association, EU 2014-2016 Project no. 2013/11/B/ST8/00352, Participant. Research grant from Narodowe Centrum Nauki (National Science Center) in Poland
Professional Membership	2008-presesnt, European Mathematical Society 2008-2011, Australian Mathematical Society

	2007-present, American Mathematical Society 2006-present Polish Mathematical Society
Potential Research Projects**	Any topics related to: Topological theory of Dynamical Systems, Symbolic Dynamics, Ergodic Theory, Continuum theory and attractors in dynamics, Low dimensional dynamics.

* 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.