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CURRICULUM VITAE

Sławomir Michalik was born on July 20, 1972 in Warsaw, Poland. Since 2000 married and has 3 children.

EDUCATION — SCIENTIFIC DEGREES:

1991–1996, University of Warsaw, Faculty of Mathematics, Informatics and Mechanics (MIMUW)

1996, MSc in Mathematics, MIMUW, the thesis *A kernel theorem for some spaces of generalized functions* written under the supervision of dr Grzegorz Łysik

1997–2001, PhD Scholarship, Institute of Mathematics Polish Academy of Sciences (IMPAN)

2002, PhD in Mathematics, IMPAN, the thesis *Laplace distributions supported by a cone* written under supervision of dr hab. G. Łysik

2014, Habilitation in Mathematics, IMPAN, the thesis *Summability of formal solutions of linear partial differential equations with constant coefficients*

SCIENTIFIC POSITIONS:

2001–2002 Assistant and Assistant Professor, IMPAN in Warsaw

2003–2017 Assistant Professor, Cardinal Stefan Wyszyński University in Warsaw, Faculty of Mathematics and Natural Sciences, College of Sciences (UKSW)

2017– Associate Professor, UKSW in Warsaw

SCIENTIFIC VISITS:

2002 Potsdam University (2 months)

2008–2009 IMPAN in Warsaw (12 months)

2011–2012 IMPAN in Warsaw (12 months)

ORGANIZATION OF THE CONFERENCES:

1. *Formal and Analytic Solutions of Differential Equations*, Banach Center (BC), Będlewo, 2008
2. *Formal and Analytic Solutions of Differential and Difference Equations*, BC, Będlewo, 2011
3. *Workshop on differential and difference equations in the complex domain*, BC, Warsaw, 2012
4. *Formal and Analytic Solutions of Differential, Difference and Discrete Equations*, BC, Będlewo, 2013
5. *Global Study of Differential Equations in the Complex Domain*, BC, Warsaw, 2013
6. *Analytic, Algebraic and Geometric Aspects of Differential Equations*, BC, Będlewo, 2015

7. *Asymptotic and computational aspects of complex differential equations*, Centro di Ricerca Matematica (CRM), Pisa, 2017
8. *Complex Differential and Difference Equations*, BC, Będlewo, 2018

EDITOR OF VOLUMES:

1. *Formal and Analytic Solutions of Differential and Difference Equations*, Banach Center Publ. 97 (2012), 190 pp.
2. *Analytic, Algebraic and Geometric Aspects of Differential Equations*, Trends in Mathematics (2017), 471 pp.
3. *Formal and Analytic Solutions of Diff. Equations*, Springer Proceedings in Mathematics & Statistics (2018), 274 pp.

PHD STUDENTS:

1. Hubert Grzebuła
2. Bożena Tkacz
3. Maria Suwińska

LIST OF PUBLICATIONS:

1. *Spherical polyharmonics and Poisson kernels for polyharmonic functions*, Complex Var. Elliptic Equ. 64 (2019), 420–442, (together with Hubert Grzebuła).
2. *The Stokes phenomenon for some moment partial differential equations*, J. Dyn. Control Syst. (2018), <https://doi.org/10.1007/s10883-018-9424-9> (together with Bożena Tkacz).
3. *Hyperasymptotic solutions for certain partial differential equations*, Formal and Analytic Solutions of Diff. Equations, Springer Proceedings in Mathematics & Statistics 256 (2018), 61–78 (together with Maria Suwińska).
4. *Analytic and summable solutions of inhomogeneous moment partial differential equations*, Funkcial. Ekvac. 60 (2017), 325–351.
5. *A Dirichlet type problem for complex polyharmonic functions*, Acta Math. Hungar. 153 (2017), 216–229 (together with Hubert Grzebuła).
6. *The Stokes phenomenon for certain partial differential equations with meromorphic initial data*, Asymptot. Anal. 99 (2016), 163–182 (together with Bożena Podhajecka).
7. *Summable solutions of some partial differential equations and generalised integral means*, J. Math. Anal. Appl. 444 (2016), 1242–1259.
8. *Summability of formal solutions of linear partial differential equations with divergent initial data*, J. Math. Anal. Appl. 406 (2013), 243–260.
9. *Analytic solutions of moment partial differential equations with constant coefficients*, Funkcial. Ekvac. 56 (2013), 19–50.
10. *On Borel summable solutions of the multidimensional heat equation*, Ann. Polon. Math. 105 (2012), 167–177.
11. *Multisummability of formal solutions of inhomogeneous linear partial differential equations with constant coefficients*, J. Dyn. Control Syst. 18 (2012), 103–133.

12. *On the multisummability of divergent solutions of linear partial differential equations with constant coefficients*, J. Differential Equations 249 (2010), 551–570 (with: *Corrigendum to "On the multisummability of divergent solutions of linear partial differential equations with constant coefficients" [J. Differential Equations 249 (2010), 551–570]*, J. Differential Equations 255 (2013), 2400–2401)
13. *Summability and fractional linear partial differential equations*, J. Dyn. Control Syst. 16 (2010), 557–584
14. *Laplace ultradistributions supported by a cone*, Banach Center Publ. 88 (2010), 229–241
15. *Summability of formal solutions to the n -dimensional inhomogeneous heat equation*, J. Math. Anal. Appl. 347 (2008), 323–332
16. *Formal solutions of semilinear heat equations*, J. Math. Anal. Appl. 341 (2008), 372–385 (together with Grzegorz Łysik)
17. *Summability of divergent solutions of the n -dimensional heat equation*, J. Differential Equations 229 (2006), 353–366
18. *The Cauchy kernel for cones*, Studia Math. 163 (2004), 21–39
19. *Laplace distributions and hyperfunctions on simplicial cones*, Integral Transforms Spec. Funct. 14 (2003), 307–320
20. *The kernel theorem for Laplace ultradistributions*, Ann. Polon. Math. 77 (2001), 209–217