

Poziția postului: 11
Disciplinele postului: Matematici speciale și statistică matematică; Procese stohastice și aplicații; Teoria probabilităților și statistică matematică; Analiză matematică I.

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Noiembrie 2014

Data nasterii: 21 Februarie 1972

Nr. crt.	Instituția de învățământ superior și facultatea	Domeniul	Perioada	Titlul acordat
1.	Universitatea Transilvania din Brașov, Facultatea de Științe	Matematică	1990 – 1995	Licențiat în Matematică și Informatică
2.	Universitatea Transilvania din Brașov, Facultatea de Științe	Matematică	1995 – 1996	Master
3.	University of Connecticut at Storrs (USA), Department of Mathematics	Mathematics	1996 – 1998	Master of Science

Nr. crt.	Instituția organizatoare de doctorat	Domeniul	Perioada	Titlul științific acordat
1.	Universitatea Transilvania din Brașov	Matematică	1996 – 2002	Doctor
2.	University of Connecticut at Storrs (USA), Department of Mathematics	Mathematics	1998 – 2001	Doctor of Philosophy

Nr. crt.	Instituția	Domeniul/ Specializarea	Perioada	Tipul de bursă
1.	Institutul de Matematică “ <i>Simion Stoilow</i> ” / Institutul Național de Cercetări Economice “ <i>Costin C. Kirițescu</i> ” al Academiei Române, București, România	Științe economice, Științe exacte aplicate în economie / Matematică (Procese stochastice Browniene și aplicații)	1 Decembrie 2010 – 30 Noiembrie 2012	Bursă de studii postdoctorale (câștigată prin competiție), contractul POSDRU/8.9/ 1.5 /S/62988

4. Realizările profesional-științifice

Calitatea activităților didactice/ profesionale	Din Fișa de evaluare și din Propunerea de dezvoltare a carierei universitare
<p>Lucrări publicate în reviste de specialitate recunoscute național internațional</p>	<ol style="list-style-type: none"> 1. M. N. Pascu, N. R. Pascu, <i>Convex approximations of analytic functions</i>, Applied Mathematics and Computation, 232 (2014), pp. 559 - 567 2. M. N. Pascu, N. R. Pascu, <i>Starlike approximations of analytic functions</i>, Applied Mathematics and Computation, 218 (2012), No. 12, pp. 6825 - 6832 3. M. N. Pascu, <i>Mirror coupling of reflecting Brownian motion and an application to Chavel's conjecture</i>, Electronic Journal of Probability, 16 (2011), No. 18, pp. 504 - 530 4. M. N. Pascu, M. E. Gageonea, <i>Monotonicity properties of the Neumann heat kernel in the ball</i>, Journal of Functional Analysis, 260 (2011), No. 2, pp. 490 - 500 5. M. N. Pascu, M. A. Nicolaie, <i>On a discrete version of the Laugesen-Morpurgo conjecture</i>, Statistics and Probability Letters, 79 (2009), No. 6, pp. 797 - 806 6. M. E. Gageonea, S. Owa, N. R. Pascu, M. N. Pascu, <i>A maximum modulus principle for non-analytic functions defined in the unit disk</i>, Applied Mathematics and Computation, 187 (2007), No. 1, pp. 163 - 169 7. M. N. Pascu, <i>A probabilistic proof of the Fundamental Theorem of Algebra</i>, Proceedings of the American Mathematical Society, 133 (2005), No. 6, pp. 1707 - 1711 8. R. Banuelos, M. Pang, M. N. Pascu, <i>Brownian motion with killing and reflection and the "Hot Spots" problem</i>, Probability Theory and Related Fields, 130 (2004), No. 1, pp. 56 - 68 9. M. N. Pascu, <i>Scaling couplings of reflecting Brownian motion and the hot spots problem</i>, Transactions of the American Mathematical Society, 354 (2002), No. 11, pp. 4681 - 4702 10. N. N. Pascu, D. Raducanu, R. N. Pascu, M. N. Pascu, <i>Alpha-spiral functions in an elliptical domain</i>, Filomat No. 14 (2000), pp. 9 - 12

<p>Lucrări prezentate la conferințe naționale/ internationale în profilul postului</p>	<ol style="list-style-type: none"> 1. <i>Brownian couplings and applications</i> 6th International Conference on Stochastic Analysis and Its Applications, Banach Center Conferences, Bedlewo, Poland, 9 - 15 September 2012. 2. <i>Brownian couplings and applications</i> PDEs and Stochastic Processes, University of Pitești, Pitești, Romania, 12 - 14 October, 2012. 3. <i>Couplings of reflecting Brownian motions and applications</i> Exploratory Workshop “Teme Actuale de Cercetare in Matematici Aplicate”, Conference “Diaspora in cercetarea stiintifica si invatamantul superior din Romania”, Bucharest, Romania, September 21-24, 2010. 4. <i>Couplings of reflecting Brownian motions and applications</i> 10eme Colloque Franco-Roumain de Mathematiques Appliquees, Poitiers, France, August 26-31, 2010. 5. <i>On a degenerate stochastic differential equation</i> Workshop on Asymptotic Analysis and Stochastic Methods for Heterogeneous Media, Alba-Iulia, Romania, June 9 - 13, 2010. 6. <i>Mirror couplings of reflecting Brownian motions and applications</i> International Conference on the “Isoperimetric Problem of Queen Dido and its Mathematical Ramifications”, Carthage, Tunis, May 24 - 29, 2010. 7. <i>Mirror Couplings and Applications</i> 17eme Colloque de La Societe Mathematique de Tunisie, CSMT 2010, Sousse, Tunis, March 15 – 18, 2010. 8. <i>Neighborhoods of univalent functions</i> International Conference on “Geometric Function Theory and Applications”, “<i>Lucian Blaga</i>” University of Sibiu, Sibiu, Romania, August 28 - September 1, 2009. 9. <i>A sufficient condition for Chavel's conjecture</i> Romanian-German Symposium on “Mathematics and Its Applications”, “<i>Lucian Blaga</i>” University of Sibiu, Sibiu (Hermannstadt), Romania, May 14 - 17, 2009. 10. <i>On a conjecture of Laugesen and Morpurgo</i> “Potential Analysis” - Third Workshop Series on Mathematics (invited speaker), University of Pitești, October 15, 2008.
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	<p>11. <i>On a conjecture of Laugesen and Morpurgo</i> Analysis and Probability Seminar (invited talk), Department of Mathematics, University of Connecticut at Storrs, Storrs, Connecticut (SUA), October 3, 2008.</p> <p>12. <i>On a conjecture of Laugesen and Morpurgo</i> “Mathematical Science Colloquium” (invited talk), Department of Mathematics, Stevens Institute of Technology, Hoboken, New Jersey (SUA), September 24, 2008.</p> <p>13. <i>Extremum properties of reflecting Brownian motion</i> Workshop on “Brownian Motion and Related Problems” (invited speaker), Transilvania University of Brasov, Brasov, August 29 - 30, 2008.</p> <p>14. <i>On a conjecture of Laugesen and Morpurgo</i> 9eme Colloque Franco-Roumain de Mathematiques Appliquees, Transilvania University of Braşov, Brasov, Romania, August 28 - September 2, 2008.</p> <p>15. <i>On a conjecture of Laugesen and Morpurgo</i> International Conference on “Complex Analysis and Related Topics” - The XIth Romanian-Finnish Seminar (invited speaker), Alba Iulia, Romania, August 14 - 19, 2008.</p> <p>16. <i>On a conjecture of Laugesen and Morpurgo</i> Exploratory Workshop on “Recent trends in complex analysis and related topics” (invited speaker), Alba Iulia, August 14 - 16, 2008.</p> <p>17. <i>On a conjecture of Laugesen and Morpurgo</i> Workshop on “Stochastic Analysis and Potential” (invited speaker), Institute of Mathematics “Simion Stoilow” of the Romanian Academy, Bucharest, June 17 - 19, 2008.</p> <p>18. <i>On a discrete version of the Laugesen-Morpurgo conjecture</i> 11th Conference of Probability and Statistics Society of Romania, Bucharest University, Bucharest, April 18, 2008.</p> <p>19. <i>Domain Convergence of Reflecting Brownian Motion</i> International Symposium on Geometric Function Theory and Applications, Istanbul, Turkey, August 20 - 24, 2007.</p>
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<p>Volume de specialitate publicate în edituri recunoscute național</p>	<ol style="list-style-type: none"> 1. M. N. Pascu, N. R. Pascu, <i>Probleme și soluții în Analiza complexă</i>. Editura Universității Transilvania, Brașov, 2011, ISBN 978-973-598-924-8. 2. M. N. Pascu, <i>Calcul stochastic, mișcare Browniană și aplicații</i>. Editura Universității Transilvania, Brașov, 2010, ISBN 978-973-598-749-7. 3. M. N. Pascu, G. V. Orman (Editors), <i>Proceedings of the 23rd Scientific Session "Mathematics and Its Applications", Transilvania University of Brașov, Brașov, May 8-9, 2009</i>. Editura Universității Transilvania, Brasov, 2009, ISSN 1843-6994. 4. M. N. Pascu, <i>Brownian motion and Applications</i>. Editura Universității Transilvania, Brașov, 2006, ISBN 973-635-828-3. 5. M. N. Pascu, S. Owa (Editors), <i>Proceedings of the International Symposium "Complex Function Theory and Applications", Transilvania University of Brasov, Brasov, September 1 - 5, 2006</i>. Editura Universității Transilvania, Brașov, 2006, ISBN 973-635-827-5
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**Director de departament,
Conf. Dr. Marius PĂUN**

**Candidat,
Conf. Dr. Mihai N. PASCU**



FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAȚIONALE

Nr. Crt.	Articol, referința bibliografică	Publicat în ultimii 7 ani	f_i	n_i	f_i/n_i
1	M. N. Pascu, N. R. Pascu, Convex approximations of analytic functions, Applied Mathematics and Computation, 232 (2014), pp. 559 – 567.	X	1.600	2	0.800
2	M. N. Pascu, N. R. Pascu, Starlike approximations of analytic functions, Applied Mathematics and Computation, 218 (2012), No. 12, pp. 6825 – 6832.	X	1.600	2	0.800
3	M. N. Pascu, Mirror coupling of reflecting Brownian motion and an application to Chavel's conjecture, Electronic Journal of Probability, 16 (2011), No. 18, pp. 504 – 530.	X	0.774	1	0.774
4	M. N. Pascu, M. E. Gageonea, Monotonicity properties of the Neumann heat kernel in the ball, Journal of Functional Analysis, 260 (2011), No. 2, pp. 490 – 500.	X	1.152	2	0.576
5	M. N. Pascu, M. A. Nicolaie, On a discrete version of the Laugesen-Morpurgo conjecture, Statistics and Probability Letters, 79 (2009), No. 6, pp. 797 – 806.	X	0.531	2	0.266
6	M. E. Gageonea, S. Owa, N. R. Pascu, M. N. Pascu, A maximum modulus principle for non-analytic functions defined in the unit disk, Applied Mathematics and Computation, 187 (2007), No. 1, pp. 163 – 169.		1.600	4	0.400
7	M. N. Pascu, A probabilistic proof of the Fundamental Theorem of Algebra, Proceedings of the American Mathematical Society, 133 (2005), No. 6, pp. 1707 – 1711.		0.627	1	0.627
8	R. Banuelos, M. Pang, M. N. Pascu, Brownian motion with killing and reflection and the "Hot Spots" problem, Probability Theory and Related Fields, 130 (2004), No. 1, pp. 56 – 68.		1.458	3	0.486
9	M. N. Pascu, Scaling couplings of reflecting Brownian motion and the hot spots problem, Transactions of the American Mathematical Society, 354 (2002), No. 11, pp. 4681 – 4702.		1.095	1	1.095
10	N. N. Pascu, D. Raducanu, R. N. Pascu, M. N. Pascu, Alpha-spiral functions in an elliptical domain, Filomat No. 14 (2000), pp. 9 – 12.		0.753	4	0.188
TOTAL			I =		6.012
			I_{recent} =		3.216

NOTĂ: coloana f_i reprezintă factorul de impact 2014 (Journal Citation Reports, Thomson Reuters) al revistei în care a apărut articolul i , iar coloana n_i reprezintă numărul de autori ai acestui articol.

Indicii **I** și **I_{recent}** au fost calculați conform Anexei 1 a Ordinului 6.560 / 20.12.2012 al Ministrului Educației, Cercetării, Tineretului și Sportului, publicat în MO 890 bis / 27.12.2012.

Nr. Crt.	Articolul citat	Revista și articolul în care a fost citat	fi
1	M. N. Pascu, N. R. Pascu, Starlike approximations of analytic functions, Appl. Math. Comput. 218 (2012), No. 12, pp. 6825 – 6832.	D. Fericean, Strongly Φ -like functions of order α in two-dimensional free boundary problems , Applied Mathematics and Computation 218 (2012), No. 15, pp. 7856 – 7863.	1.349
2	M. N. Pascu, M. Gageonea, Monotonicity properties of the Neumann heat kernel in the ball, J. Funct. Anal., 260 (2011), No. 2, pp. 490 – 500.	Van Vo, Monotonicity of the reflected Bessel transition density on the diagonal , Stochastic Processes And Their Applications, 124 (2014), No. 3, pp. 1368 – 1407.	0.953
3	M. N. Pascu, M. Gageonea, Monotonicity properties of the Neumann heat kernel in the ball, J. Funct. Anal., 260 (2011), No. 2, pp. 490 – 500.	W. S. Kendall, Brownian couplings, convexity and shy-ness, Electron. Comm. Probab. 14 (2009), pp. 66 – 80.	0.627
4	M. N. Pascu, Mirror coupling of reflecting Brownian motion and an application to Chavel's conjecture, Electron. J. Probab. 16 (2011), No. 18, pp. 504 – 530.	Jacka, S.D., Mijatović, A., Širaj, D., Mirror and synchronous couplings of geometric Brownian motions, Stochastic Processes and their Applications, 124 (2014), No. 2, pp. 1055 – 1069.	0.953
5	M.N. Pascu, M.E. Gageonea, A note on the Neumann heat kernel in the ball, Bull. Transilv. Univ. Brasov 3 (52) (2010), pp. 71 – 76.	Van Vo, Monotonicity of the reflected Bessel transition density on the diagonal , Stochastic Processes And Their Applications, 124 (2014), No. 3, pp. 1368 – 1407.	0.953
6	M. N. Pascu, M. A. Nicolaie, A discrete version of the Laugesen-Morpurgo conjecture, Statist. Probab. Lett., 79 (2009), No. 6, pp. 797 – 806.	Van Vo, Monotonicity of the reflected Bessel transition density on the diagonal , Stochastic Processes And Their Applications, 124 (2014), No. 3, pp. 1368 – 1407.	0.953
7	M.N. Pascu, N.R. Pascu, Brownian motion on the circle and applications, Bull. Transilv. Univ. Brasov Ser. III 1, (50) (2008), pp. 469 – 478.	Van Vo, Monotonicity of the reflected Bessel transition density on the diagonal , Stochastic Processes And Their Applications, 124 (2014), No. 3, pp. 1368 – 1407.	0.953
8	M. N. Pascu, A probabilistic proof of the Fundamental Theorem of Algebra, Proc. Amer. Math. Soc. 133 (2005), No. 6, pp. 1707 – 1711.	P. Haukkanen, T. Tossavainen, A generalization of Descartes' rule of signs and fundamental theorem of algebra, Applied Mathematics and Computation 218 (2011), No. 4, pp. 1203 – 1207.	1.349
9	R. Banuelos, M. Pang, M. N. Pascu, Brownian motion with killing and reflection and the "hot-spots" problem, Probab. Theory Related Fields 130 (2004), No. 1, 56 – 68.	R. Bañuelos, R., T. Kulczycki, B. Siudeja, Neumann Bessel heat kernel monotonicity, Potential Anal. 30 (2009), No. 1, 65 – 83.	0.959
10	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	Y. Miyamoto, The "hot spots" conjecture for a certain class of planar convex domains, Journal of Mathematical Physics, 50 (2009), No. 10, Article Number: 103530	1.296
11	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	T. Kulczycki, N. Kuznetsov, 'High spots' theorems for sloshing problems, Bulletin of the London Mathematical Society, Volume: 41 (2009), No. 3, pp. 495 – 505.	0.627

12	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	R. Banuelos, T. Kulczycki, B. Siudeja, Neumann Bessel Heat Kernel Monotonicity, Potential Analysis, 30 (2009) , No. 1, pp. 65 – 83.	0.959
13	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	H. Donnelly, Maxima of Neumann eigenfunctions, Journal of Mathematical Physics, Volume 49 (2008), Issue 4, Article Number 043506	1.296
14	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	K. Burdzy, The hot spots problem in planar domains with one hole, Duke Mathematical Journal, 129 (2005), No. 3, pp. 481 – 502.	1.701
15	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	R. Atar R, K. Burdzy, On Neumann eigenfunctions in lip domains, Journal of the American Mathematical Society, 17 (2004), No. 2, pp. 243 – 265.	3.567
16	M. N. Pascu, Scaling coupling of reflecting Brownian motions and the hot spots problem, Trans. Amer. Math. Soc. 354 (2002), No. 11, pp. 4681 – 4702.	R. Atar, K. Burdzy, On nodal lines of Neumann eigenfunctions, Electron. Comm. Probab. 7 (2002), pp. 129 – 139.	0.627
<p align="center">Total citări în reviste cu factor de impact mai mare decât 0.5: 16</p>			

NOTĂ: coloana fi a fost completată cu factorul de impact 2014 (Journal Citation Reports, Thomson Reuters) al revistei în care a fost publicat articolul care citează.

20 Decembrie 2014

Director de departament,

Conf. Dr. Marius PĂUN

Candidat,


Conf. Dr. Mihai N. Pascu