



## FIȘĂ DE AUTOEVALUARE

Conformă fișei de evaluare generală a standardelor Universității “Alexandru Ioan Cuza” din Iași

Dr. MARIȘ RĂZVAN FLORIAN

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE	REZULTATE	PUNCTAJ
I ACTIVITATEA D E CERCETARE ( 7 0 % )	1. Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact	(60 puncte x factor de impact + 25) / număr autori	Maris, Florian, and Bogdan Vernescu. "Effective leak conditions across a membrane." <i>Complex Variables and Elliptic Equations</i> 57.2-4 (2012): 437-453, ISSN: 1747-6933; <b>IF 0.616</b>	30.98
			Maris, Florian, and Bogdan Vernescu. "Random homogenization for a fluid flow through a membrane." <i>Asymptotic Analysis</i> 86.1 (2014): 17-48, ISSN: 0921-7134; <b>IF 0.933</b>	40.49
			Gorb, Yuliya, Florian Maris, and Bogdan Vernescu. "Homogenization for rigid suspensions with random velocity-dependent interfacial forces." <i>Journal of Mathematical Analysis and Applications</i> 420.1 (2014): 632-668, ISSN: 0022-247X; <b>IF 1.064</b>	29.61
			Bessaih, Hakima, Yalchin Efendiev, and Florin Maris. "Homogenization of the evolution Stokes equation in a perforated domain with a stochastic Fourier boundary condition." <i>Networks and Heterogeneous Media</i> 10.2 (2015): 343-367, ISSN: 1556-1801; <b>IF 1.200</b>	32.33
			Bessaih, Hakima, and Florian Maris. "Homogenization of the stochastic Navier–Stokes equation with a stochastic slip boundary condition." <i>Applicable Analysis</i> 95.12 (2016): 2703-2735, ISSN: 0003-6811; <b>IF 0.923</b>	40.19
			<b>Total</b>	<b>173.60</b>



CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE	REZULTATE	PUNCTAJ
I CTIVITATEA DE CERCETARE ( 7 0 % )	3. Articole științifice publicate în extenso în indexate BDI	15 puncte / număr autori	Maris, Florian, Eric Mbakop, and Hasanjan Sayit. "Consistent price systems for bounded processes." <i>Commun. Stoch. Anal</i> 5.4 (2011): 633-645, ISSN 0973-9599.	5.00
			Maris, Florian, and Hasanjan Sayit. "Consistent price systems in multiasset markets." <i>International Journal of Stochastic Analysis</i> 2012 (2012): 14p, ISSN: 2090-3332.	7.50
			Bessaih, Hakima, Yalchin Efendiev, and Florian Maris. "Homogenization of Brinkman flows in heterogeneous dynamic media." <i>Stochastic Partial Differential Equations: Analysis and Computations</i> 3.4 (2015): 479-505, ISSN: 2194-0401.	5.00
			<b>Total</b>	<b>17.50</b>
	12. Citări și recenzii ale lucrărilor științifice	reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare	Citări (fără auto-citări) ale articolului	
			Maris, Florian, Eric Mbakop, and Hasanjan Sayit. "Consistent price systems for bounded processes." <i>Commun. Stoch. Anal</i> 5.4 (2011): 633-645, ISSN 0973-9599.	
			Bayraktar E, Yu X. On the market viability under proportional transaction costs. <i>Mathematical Finance</i> . 2017;00:1–39, ISSN : 1467-9965, <b>IF: 2.414</b>	19.43
			Bender, Christian, Mikko S. Pakkanen, and Hasanjan Sayit. "Sticky continuous processes have consistent price systems." <i>Journal of Applied Probability</i> 52.2 (2015): 586-594, ISSN: 0021-9002, <b>IF 0.646</b>	7.64
			Bayraktar, Erhan, Mikko S. Pakkanen, and Hasanjan Sayit. "On the existence of consistent price systems." <i>Stochastic Analysis and Applications</i> 32.1 (2014): 152-162, ISSN: 0736-2994, <b>IF 0.573</b>	7.15
			Sayit, Hasanjan. "Absence of arbitrage in a general framework." <i>Annals of Finance</i> 9.4 (2013): 611-624, ISSN: 1614-2446	3.33
			<b>Total</b>	<b>37.55</b>



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			Citări (fără auto-citări) ale articolului Maris, Florian, and Hasanjan Sayit. "Consistent price systems in multiasset markets." <i>International Journal of Stochastic Analysis</i> 2012 (2012): 14p, ISSN: 2090-3332.	
			Guasoni, Paolo, and Miklós Rásonyi. "Hedging, arbitrage and optimality with superlinear frictions." <i>The Annals of Applied Probability</i> 25.4 (2015): 2066-2095, ISSN: 1050-5164, <b>IF 1.506</b>	20.06
			Herczegh, Attila, Vilmos Prokaj, and Miklós Rásonyi. "Diversity and no arbitrage." <i>Stochastic Analysis and Applications</i> 32.5 (2014): 876-888, ISSN: 0736-2994, <b>IF 0.573</b>	10.73
			Sayit, Hasanjan. "Absence of arbitrage in a general framework." <i>Annals of Finance</i> 9.4 (2013): 611-624, ISSN: 1614-2446	5.00
			<b>Total</b>	<b>35.79</b>
			Citări (fără auto-citări) ale articolului Maris, Florian, and Bogdan Vernescu. "Random homogenizationh for a fluid flow through a membrane." <i>Asymptotic Analysis</i> 86.1 (2014): 17-48, ISSN: 0921-7134	
			Nika, Grigor, and Bogdan Vernescu. "RATE OF CONVERGENCE FOR A MULTI-SCALE MODEL OF DILUTE EMULSIONS WITH NON-UNIFORM SURFACE TENSION." <i>Discrete &amp; Continuous Dynamical Systems-Series S</i> 9.5 (2016), ISSN: 1078-0947, <b>IF 1.099</b>	15.99
			Nika, Grigor, and Bogdan Vernescu. "Dilute emulsions with surface tension." <i>Quarterly of Applied Mathematics</i> 74.1 (2016): 89-111, ISSN: 0033-569X, <b>IF: 0.788</b>	12.88
			Nika, Grigor, and Bogdan Vernescu. "Asymptotics for Dilute Emulsions with Surface Tension." <i>Journal of Elliptic and Parabolic Equations</i> 1.1 (2015): 215-230, ISSN: 2296-9020.	5.00
			<b>Total</b>	<b>33.87</b>



CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE	REZULTATE	PUNCTAJ
			Citări (fără auto-citări) ale articolului Maris, Florian, and Bogdan Vernescu. "Effective leak conditions across a membrane." <i>Complex Variables and Elliptic Equations</i> 57.2-4 (2012): 437-453, ISSN: 1747-6933.	
			Kashiwabara, Takahito. "Finite element method for Stokes equations under leak boundary condition of friction type." <i>SIAM Journal on Numerical Analysis</i> 51.4 (2013): 2448-2469, ISSN: 0036-1429, <b>IF 1.978</b>	24.78
			<b>Total</b>	<b>24.78</b>
			Citări (fără auto-citări) ale articolului Bessaih, Hakima, and Florian Maris. "Homogenization of the stochastic Navier–Stokes equation with a stochastic slip boundary condition." <i>Applicable Analysis</i> 95.12 (2016): 2703-2735, ISSN: 0003-6811	
			Lacave, Christophe, and Anna L. Mazzucato. "The vanishing viscosity limit in the presence of a porous medium." <i>Mathematische Annalen</i> 365.3-4 (2016): 1527-1557, ISSN: 0025-5831, <b>IF 1.314</b>	18.14
			<b>Total</b>	<b>18.14</b>
	monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare		Citări (fără auto-citări) ale articolului Maris, Florian, and Bogdan Vernescu. "Random homogenization for a fluid flow through a membrane." <i>Asymptotic Analysis</i> 86.1 (2014): 17-48, ISSN: 0921-7134	
			Nika, Grigor. <i>Multiscale analysis of emulsions and suspensions with surface effects</i> . (Doctoral dissertation, Worcester Polytechnic Institute), 2016.	25.00
			<b>Total</b>	<b>25.00</b>



CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE	REZULTATE	PUNCTAJ
	13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	străinătate: 25 puncte pentru fiecare activitate	"Stochastic homogenization for permeable membranes", AMS Special Session Local Fields Properties, Microstructure, and Multiscale Modeling of Heterogeneous Media, Joint Mathematical Meetings, Boston, MA, USA, 4-7 Ianuarie, 2011.	25.00
			"Random Homogenization of the Stokes Flow through a Perforated Membrane", Department of Mathematics, University of Houston, TX, USA, 17 Februarie, 2012.	25.00
			"Random homogenization of the fluid flow through leaky obstacles", Department of Mathematics and Natural Sciences, Penn State University Altoona, PA, USA, 3 Martie, 2012.	25.00
			"Random homogenization for fluid flows through membranes", Department of Mathematics, Texas A&M University, College Station, TX, USA, 15 Iulie, 2012.	25.00
			"Random Homogenization of the Stokes Flow through a Membrane", King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, Numerical Porous Media Center, Tuwal, Arabia Saudită, 20 Decembrie, 2012.	25.00
			"Random Homogenization of the Stokes Flow through a Membrane", King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, Applied Mathematics and Computational Science, Tuwal, Arabia Saudită, 22 Decembrie, 2012.	25.00



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			"Homogenization for rigid suspensions with random velocity-dependent interfacial forces", Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society, June 27-30, 2013, Alba Iulia, Romania.	25.00
			"Homogenization of the evolution Stokes equation in a perforated domain with a stochastic Fourier boundary condition", Numerical Porous Media Strategic Research Initiative Center, Annual Meeting, King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, Numerical Porous Media Center, Tuwal, Saudi Arabia, 2-3 Martie, 2014.	25.00
			"Homogenization of the evolution Stokes equation in a perforated domain with a stochastic Fourier boundary condition", Special session "Infinite Dimensional Stochastic Systems and Applications", The 10th AIMS conference on dynamical systems, differential equations and applications, Madrid, Spain, 7-11 Iulie, 2014.	25.00
			<b>Total</b>	<b>225.00</b>
	14. Profesor/cercetător invitat la universități/institute de cercetare	străinătate: 25 puncte pentru fiecare activitate	2009 CNA Summer School, Contemporary topics in Nonlinear PDEs, Center for Nonlinear Analysis, Carnegie Melon University, Pittsburg, PA, USA, 29 Mai-7 Iunie.	25.00
			Numerical Methods for PDEs: In Occasion of Raytcho Lazarov's 70th birthday, Institute for Scientific Computation, Texas A&M University, College Station, TX, USA, 25-26 Ianuarie, 2013 .	25.00
			Industry Workshop, Recent achievements in modeling and computer simulation of filtration and separation processes, King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, Numerical Porous Media Center, Tuwal, Saudi Arabia, 2-3 Iunie, 2013.	25.00



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			Numerical Porous Media Strategic Research Initiative Center, Annual Meeting, King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, Numerical Porous Media Center, Tuwal, Saudi Arabia, 2-3 Martie, 2014.	25.00
			Workshop: Experimentation, Mathematical Modeling & Numerical Simulation of Porous Media Flows, University of Laramie, Department of Mathematics, Laramie, UW, 19-21 Mai, 2014.	25.00
			Summer School on Recent Advances in the Theory of Homogenization, Department of Mathematics, University of Chicago, Chicago, IL, USA, 18-29 Iunie, 2012.	25.00
			Cercetător invitat la University of Houston, Department of Mathematics, 16-19 Februarie 2012.	25.00
			Cercetător invitat la Penn State University Altoona, Department of Mathematics, 27 Februarie-5 Martie 2012, host: June Masamune.	25.00
			Cercetător invitat la King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, 18 Decembrie-22 Decembrie, 2012, hosts Yalchin Efendiev and Peter Markowich.	25.00
			NSF Postdoctoral Fellow, University of Houston, Department of Mathematics, Iulie-Decembrie 2012, supervizor Yuliya Gorb.	25.00
			IAMCS Visiting Professor, Department of Mathematics, Texas A&M University, TX, USA, Ianuarie-Aprilie 2013, supervizor Yalchin Efendiev.	25.00
			Postdoctoral Fellow, King Abdullah University of Science & Technology, Computer, Electrical and Mathematical Science and Engineering Division, Numerical Porous Media Center, Mai 2013-Mai 2015, supervizori Yalchin Efendiev and Victor Calo.	25.00



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			Cercetător invitat la University of Laramie, Department of Mathematics, Laramie, UW, 16 Noiembrie-3 Decembrie, 2013, host Hakima Bessaih.	25.00
			Cercetător invitat la University of Laramie, Department of Mathematics, Laramie, UW, 20-30 Octombrie, 2013, host Hakima Bessaih.	25.00
			Cercetător invitat la University of Laramie, Department of Mathematics, Laramie, UW, 5 Mai-6 Iunie, 2014, host Hakima Bessaih.	25.00
			Cercetător invitat la University of Laramie, Department of Mathematics, Laramie, UW, 20 Octombrie-6 Noiembrie, 2014, host Hakima Bessaih.	25.00
			Total	400.00
TOTAL				991.23
II ACTIVITATEA DIDACTICĂ (30%)	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate	Suport seminar pentru: Calculus I, Calculus II, Calculus III, Calculus IV, Bridge to higher Mathematics, Calcul tensorial și vectorial, Algebră liniară, Ecuații Diferențiale, Metode matematice în luarea deciziilor, Teoria măsurii și Integrala Lebesgue (WPI) și Matematici Aplicate în Economie (FEAA, UAIC).	110.00
TOTAL				110.00
PUNCTAJ TOTAL=991.23 x 0.7 + 110 x 0.3				726.86

Data,  
28.12.2017

Semnătura,  
Mariș Răzvan Florian