Anexa 1

Criterii	Descriptori	Punctaje acordate
I.Activitatea de cercetare	1.Articole stiintifice publicate in extenso in reviste cotate Web of Science cu factor de impact	1. I.M. ,Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete and Continous Dynamical Systems Series A, (60x0.976+25)/1=83.56 2. I.M. , Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica (60x6.126+25)/1=392.56 3. I.M., The total variation flow perturbed by gradient linear multiplicative noise, Infinite Dimensional Analysis, Quantum Probability and Related Topics (60x0.7+25)/2=33.5 4. I.M. , Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV (60x1.46+25)/1=112.6 5. I.M. , Stabilisation of parabolic semilinear equations. International Journal of Control (60x2.101+25)/1=151.06 6. I.M., Stabilization of a 3-D periodic channel flow by explicit normal boundary feedbacks. Journal of Dynamical and Control Systems (60x0.693+25)/1=66.58 7. I.M., Stabilization of stochastic parabolic equations with boundarynoise and boundary-control. Journal of Mathematical Analysis and Applications (60x1.138+25)/1=93.28 8. I.M., Boundary feedback stabilization of Fisher's equation. Systems Control Letters (60x2.656+25)/3=61.45 9. I.M., Stabilization of Semilinear Heat Equations, with Fading Memory, by boundary feedbacks, Journal of Differential Equations (60x1.782+25)/1=131.92 10. I.M., Boundary stabilization of the Navier-Stokes Equation with Fading Memory , International Journal of Control (60x2.101+25)/1=151.06 11. I.M., Recovering a constant in the two-dimensional Navier-Stokes system with no initial condition, Applied Mathematics and Optimization (60 x 1.175+25)/2=47.75

		12. I.M., Boundary stabilization of the phase field system by finite-dimensional feedback controllers, Journal of Mathematical Analysis and Applications (60x1.138+25)/1=93.28 13. I.M., Boundary feedback stabilization of periodic fluid flows in a magnetohydrodynamic channel, IEEE Transactions on Automatic Control (60 x5+25)/1=325 14. I.M., Normal feedback stabilization for linearized periodic MHD channel flow, at low magnetic Reynolds number, Systems & Control Letters (60 x 2.657+25)/1=184.42 15. I.M., Existence of solutions for models of shallow water in a basin with degenerate varying bottom, Journal of Evolution Equations (60 x 1.025+25)/1=86.5 15. I.M., Normal feedback stabilization of periodic flows in a three-dimensional channel, Numerical Functional Analysis and Optimization (60 x 0.827+25)/1=74.62 16. I.M., Normal feedback stabilization of periodic flows in a twodimensional channel, Journal of Optimization Theory and Applications (60x 1.23 +25)/1=98.8 17. I.M., Internal stabilization of Navier- Stokes equation with exact controllability on spaces with finite codimension,, Evolution Equations and Control Theory (60x0.82 +25)/2=37.1 **Punctaj total: 2224.1**
	2.Articole stiintifice publicate in extenso in reviste indexate Web of Science fara factor de impact	1. I.M., A well-posed second-order anisotropic diffusion-based structural inpainting scheme. ROMAI J 20/2=10 2. I.M., A nonlinear fourth-order diffusion-based model for image denoising and restoration, PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A 20/2=10 3. I.M., Internal stabilizable feedback controller for a finite set of equilibrium solutions to the NAVIER-STOKES equations,

		Analele Stiintice ale Universitatii AL. I. CUZA din IASI (S. N.) MATEMATICA 20/1=20 4. I.M., Tangential feedback stabilization of periodic flows in a 2-D channel, Differential Integral Equations 20/1=20 **Punctaj total: 60**
	3.Articole stiintifice publicate in extenso in volumele conferintelor	1. I.M., On a family of dynamical systems, in the Conference book CERMCS, 144-147, ISBN 978-9975-70-677-3. **Punctaj total: 15/1=15**
	4. Carti stiintifice publicate	Edituri academice internationale: Ionut Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019, 212pp **Punctaj total: 2x 100/1 =200**
	9. Contracte de cercetare stiintifica	Director Grant intern UAIC 2018 in valoare de 40.000 Punctaj: 5 Membru in project PN II IDEI ID 70/2008 director CS I Gabriela Marinoschi, 4 membrii Punctaj: 12 Membru in grantul PN-II_PCE-2011-3-0027- director Acad. V. Barbu, in valuare de 500.000 lei, 3 membrii Punctaj: 16.6 Membru in grantul PN-II-ID-PCE-2012-4-0456, director prof. dr. Catalin Popa, in valoare de 231.233 lei, 4 membrii. Punctaj: 5 **Punctaj total: 38.6**
	12. Citari si recenzii ale lucrarilor stiintifice	1. I.M., Normal feedback stabilization of periodic flows in a two-dimensional channel, Journal of Optimization Theory and Applications. Citat in:

		1) V. Barbu, Stabilization of Navier-Stokes Equations by Oblique Boundary Feedback Controllers, SIAM J. Control Optim., 50(4), 22882307, 2012. (10+20 x 1.6)/1= 42 2) V. Barbu, Controllability and Stabilization of Parabolic Equations, Springer, 2018. 50/1=50 3) HB Liu, Boundary Optimal Control of Time-Periodic Stokes-Oseen Flows, J. Optimiz. Theory Applications 154, 2012. (10+20 X 1.23)/1=34.6 4) S.S. Rodrigues, Feedback boundary stabilization to trajectories for 3D NavierStokes equations, Applied Mathematics & Optimization, 2018 (10+20 X 1.175)/1=33.5 5) LIU Hanbing, X Haijun, Boundary feedback stabilization of Boussinesq equations, Acta Mathematica Scientia, 2018 (10+20 X0.386)/1=17.72 6) S. Chowdhurya, S. Ervedoza, Open loop stabilization of incompressible Navier-Stokes equations in a 2d channel using power series expansion, Journal de Mathematiques Pure et Appliquees, 2019 (10+20X1.45)/1=39 7) I. Munteanu, Boundary stabilisation of the NavierStokes Equation with Fading Memory, Int. J. Control 88, 2015. (10+20 X 1.28)/1=35.6 8) I. Munteanu, Normal feedback stabilization of periodic flows in a threedimensional channel, Numer. Funct. Analysis and Optimization 33, 2012 (10+20 X 0.59)/1= 21.8 9) I. Munteanu, Boundary feedback stabilization of periodic fluid flows in a magnetohydrodynamic channel, IEEE Transactions on Automatic Control 58, 2013. (10+20 X 5)/1=110

		10) I. Munteanu, Normal feedback stabilization for linearized periodic MHD channel flow, at low magnetic Reynolds number, Systems Control Letters, 2013 (10+20 X 2.65)/1=63 11) I. Munteanu, Stabilization of a 3-D periodic channel flow by explicit normal boundary feedbacks, Journal of Dynamical and Control Systems, 2017 (10+20 x 0.69)=24 12) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 2) I.M., Boundary stabilization of the phase field system by finite-dimensional feedback controllers, Journal of Mathematical Analysis and Applications 412, 964 - 975, 2014. Citat in 1) V. Barbu, Controllability and stabilization of parabolic equations, Springer 2018. 50/1=50 2) LIU Hanbing, X Haijun , Boundary feedback stabilization of Boussinesq equations, Acta Mathematica Scientia, 2018 (10+20 X0.386)/1=17.72 3) I. Munteanu, Stabilisation of parabolic semilinear equations, International Journal of Control, 2017 1 2 (10+20 X 1.28)/1=35.6 4) H Liu, P Hu, I Munteanu, Boundary feedback stabilization of Fisher's equation, Systems Control Letters, 2016 (10+20 X 2.65)/1=63 5) I. Munteanu, Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 2017 (10+20 X 1.225)=34.5

		6) I. Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, International Journal of Control 2017. (10+20 X 1.28)/1=35.6 7) I. Munteanu, Stabilization of stochastic parabolic equations with boundarynoise and boundary-control, Journal of Mathematical Analysis and Applications, 2017 (10+20 X 1.138)/1=32.76 8) I. Munteanu, Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 2018 (10+20 X 6.12)/1=132.4 9) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 (10+20 X 1.28)/1=35.6 10) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019 (10+20 X1.087)/1=31.74 11) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 3) I.M. , Stabilisation of parabolic semilinear equations. International Journal of Control 90 (2017), no. 5, 1063-1076. Citat in: 1) V. Barbu, Controllability and stabilization of parabolic equations, Springer 2018. 50/1=50 2) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 (10+20 X 1.28)/1=35.6

		3) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019 (10+20 X1.087)/1=31.74 4) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 5) I. Munteanu, Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 2017 (10+20 X 1.225)=34.5 6) I. Munteanu, Stabilization of a 3-D periodic channel flow by explicit normal boundary feedbacks, Journal of Dynamical and Control Systems, 2017 (10+20 x 0.69)=24 7) I. Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, International Journal of Control 2017. (10+20 X 1.28)/1=35.6 8) I. Munteanu, Stabilization of stochastic parabolic equations with boundarynoise and boundary-control, Journal of Mathematical Analysis and Applications, 2017 (10+20 X 1.138)/1=32.76 9) I. Munteanu, Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 2018 (10+20 X 6.12)/1=132.4 10) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 (10+20 X 1.28)/1=35.6 11) LIU Hanbing, X Haijun , Boundary feedback stabilization of Boussinesq equations, Acta Mathematica Scientia, 2018

		(10+20 X0.386)/1=17.72 4) I.M., Stabilization of Semilinear Heat Equations, with Fading Memory, by boundary feedbacks, Journal of Differential Equations 259 (2015) 454-472. Cittat in 1) L Li, X Zhou, H Gao, The stability and exponential stabilization of the heat equation with memory, Journal of Mathematical Analysis and Applications, 2018 (10+20 X 1.138)/1=32.76 2) I.M. , Stabilisation of parabolic semilinear equations. International Journal of Control 90 (2017), no. 5, 1063-1076. (10+20 X 1.28)/1=35.6 3) H Liu, P Hu, I Munteanu, Boundary feedback stabilization of Fisher's equation, Systems Control Letters, 2016 (10+20 X 2.65)/1=63 5) I. Munteanu, Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 2017 (10+20 X 1.225)=34.5 4) I. Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, International Journal of Control 2017. (10+20 X 1.28)/1=35.6 5) I. Munteanu, Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 2018 (10+20 X 6.12)/1=132.4 6) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 (10+20 X 1.28)/1=35.6 7) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019

		(10+20 X1.087)/1=31.74 8) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 5) I.M., Boundary stabilization of the Navier-Stokes Equation with Fading Memory , International Journal of Control, 88 (3), 531-542, 2015. Citat in: 1) B de Andrade, A Viana, Abstract Volterra integrodifferential equations with applications to parabolic models with memory, Mathematische Annalen, 2017 8 (10+20 X 1.29)/1= 35.8 2) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 3) I.M. , Stabilisation of parabolic semilinear equations. International Journal of Control 90 (2017) (10+20 X 1.28)/1=35.6 4) H Liu, P Hu, I Munteanu, Boundary feedback stabilization of Fisher's equation, Systems Control Letters, 2016 (10+20 X 2.65)/1=63 5) I. Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, International Journal of Control 2017 (10+20 X 1.28)/1=35.6 6) I. Munteanu, Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 2018 (10+20 X 6.12)/1=132.4 7) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 4 (10+20 X 1.28)/1=35.6

		8) I. Munteanu, Stabilization of stochastic parabolic equations with boundarynoise and boundary-control, Journal of Mathematical Analysis and Applications, 2017 (10+20 X 1.138)/1=32.76 9) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019 (10+20 X1.087)/1=31.74 6) H Liu, P Hu, I Munteanu, Boundary feedback stabilization of Fisher's equation, Systems Control Letters, 2016. Citat in: 1) HB Liu, Impulse output feedback stabilization of Fisher's equation, Systems Control Letters, 2017 (10+20 X 2.65)/3=21 2) M Safari, MJ Ameri, A Naderifar , An efficient boundary control for porous media equation: Motivated by water coning problem, The Canadian Journal of Chemical Engineering 2019 (10+20 x1.265)/3=11.76 3) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/3=16 4) I.M. , Stabilisation of parabolic semilinear equations. International Journal of Control 90 (2017) (10+20 X 1.28)/1=11.6 5) I. Munteanu, Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 2017 (10+20 X 1.225)/3=11.5 6) I. Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, International Journal of Control 2017. (10+20 X 1.28)/3=11.6

		7) I. Munteanu, Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 2018 (10+20 X 6.12)/3=44.5 8) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 (10+20 X 1.28)/3=11.6 9) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019 7) (10+20 X1.087)/3=10 7) I.M., Existence of solutions for models of shallow water in a basin with degenerate varying bottom, Journal of Evolution Equations, 12(2), 393- 412, 2012 . Citat in 1) B Al Taki, Viscosity effect on the degenerate lake equations, Nonlinear Analysis: Theory, Methods Applications, 2017 (10+20 x 1.125)/1=32.5 8) I.M., Normal feedback stabilization of periodic flows in a three-dimensional channel, Numerical Functional Analysis and Optimization, 33(6), 611-637, 2012. Citat in : 1) D Phan, SS Rodrigues, Stabilization to trajectories for parabolic equations, Mathematics of Control, Signals, and Systems, 2018 (10+20 x 0.5)=20 2) SS Rodrigues, Feedback boundary stabilization to trajectories for 3D NavierStokes equations, Applied Mathematics Optimization, 2018 (10+20 x 1.175)/1=32 3) I. Munteanu, Stabilization of a 3-D periodic channel flow by explicit normal boundary feedbacks, Journal of Dynamical and Control Systems, 2017 (10+20 x 0.69)=24

		4) I.M., Normal feedback stabilization for linearized periodic MHD channel flow, at low magnetic Reynolds number, Systems Control Letters, 62, 55-62, 2013 (10+20 X 2.65)/1=63 5) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 9) I.M. , Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 23(4), (2017), 1253-1266 . Citati in: 1) V. Barbu, Controllability and stabilization of parabolic equations, Springer 2018 50/1=50 2) I. Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, International Journal of Control 2017 (10+20 X 1.28)/1=35.6 3) I. Munteanu, Boundary Stabilization of Parabolic Equations, Springer 2019. 50/1=50 7) I. Munteanu, Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 2018 (10+20 x 6.12)/1=130 8) I. Munteanu, Stabilization of stochastic parabolic equations with boundarynoise and boundary-control, Journal of Mathematical Analysis and Applications, 2017 (10+20 x1.19)/1= 32 8) P Colli, G Gilardi, I Munteanu, Stabilization of a linearized CahnHilliard system for phase separation by proportional boundary feedbacks, International Journal of Control 2019 (10+20 X 1.28)/1=35.6

		9) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019 (10+20 x1.087)/1=30 10) I.M., Boundary feedback stabilization of periodic fluid flows in a magnetohydrodynamic channel, IEEE Transactions on Automatic Control 58 (8), 2119 - 2125, 2013. Citat in: 1) Z Ren, S Guo, Z Li, Z Wu, 2018 Adjoint-based parameter and state estimation in 1-D magnetohydrodynamic (MHD) flow system, Journal of Industrial Management , 2018 (10+20 x0.45)/1=19 2) Z Ren, C Xu, Z Wu, X Liu, Optimal tracking control of flow velocity in a one-dimensional magnetohydrodynamic flow, Engineering Optimization, 2019 (10+20 x 1.62)=42 3) Z Ren, Z Zhao, Z Wu, T Chen, Dynamic optimal control of a onedimensional magnetohydrodynamic system with bilinear actuation, IEEE Access, 2018 (10+20 x3.5)/1=80 4) Z Ren, Z Zhou, C Xu, Z Wu, T Chen, Computational bilinear optimal control for a class of one-dimensional MHD flow systems, ISA transactions, 2019 (10+20 x 3.37)/1=76 5) I. Munteanu, Boundary stabilization of parabolic equations, Springer 2019 50/1=50 6) I.M. , Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 23(4), (2017), 1253-1266 (10+20 x 1.2)/1= 34 11) I.M., The total variation flow perturbed by gradient linear multiplicative noise, Infinite Dimensional Analysis, Quantum Probability and Related Topics 21, 1, 22 pp (jointly with M. Roeckner) . Citat in :

		1) V Barbu, Z Brze?niak, L Tubaro, Stochastic nonlinear parabolic equations with Stratonovich gradient noise, Applied Mathematics Optimization, 2018 (10+20 x 1.17)/2=16 . 13) I.M., Normal feedback stabilization for linearized periodic MHD channel flow, at low magnetic Reynolds number, Systems Control Letters, 62, 55- 62, 2013. Citat in 2) I. Munteanu, Boundary stabilization of parabolic equations, Springer 2019 50/1=50 3) I.M., Boundary feedback stabilization of periodic fluid flows in a magnetohydrodynamic channel, IEEE Transactions on Automatic Control 58 (10+20 x 2.3)=56 4) I.M. , Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 23(4), (2017), 1253-1266 (10+20 x1.2)/1=32 14) I.M., Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, Int. J. Control 2017 1) SS Rodrigues, K Sturm, On the explicit feedback stabilization of onedimensional linear nonautonomous parabolic equations via oblique projections, IMA Journal of Mathematical Control , 2018 (10+20 x 1.3)/1=36 2) I. Munteanu, Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete & Continuous Dynamical Systems-A, 2019 (10+20 x 1)/1=31 15) I. M., A. Lorenzi, Recovering a Constant in the Two-Dimensional NavierStokes System with No Initial Condition, Applied Mathematics and Optimization 2014. Citat in: 1) A Lorenzi, A STRONGLY ILL-POSED INTEGRODIFFERENTIAL SINGULAR PARABOLIC PROBLEM IN THE UNIT CUBE OF Rn, Evolution Equations Control Theory, 2014. (10+20 x 0.5)/2=10

		Punctaj total: 3600
	14. Profesor invitat la universitati	march 2015, Zhejiang University, China **Punctaj: 25**
	15. Membru in Editorial Board and Advisory Board	Associate Editor of the volume "Advances in Variational and Partial Differential Equation-BasedModels for Image Processing and Computer Vision", HindawiMathematical Problems in Engineering **Punctaj total: 20**
	16. Premii internationale obtinute printr-un proces de selectie	Alexander von Humbold Award 2015-2017 **Punctaj: 100**
	18. Alte premii nationale ale institutiilor culturale	Cercetatorul anului oferit de Universitatea Al. I. Cuza din Iasi in anii 2016 si 2018 **Punctaj: 2 x 20= 40**
	19. Manifestari stintifice	**Punctaj: 60**
II. Activitate didactica	3. Materiale suport curs, seminar si programe analitice detaliate	**Punctaj: 10 x 10=100**
	4. Organizare de aplicatii si practica de specialitate	**Punctaj: 6 x 5=30**