

Listă lucrări Ionuț Munteanu

01.01.2019

1. Cele zece lucrări selectate a fi reprezentative:

- 1) Ionuț Munteanu , Boundary stabilization of the stochastic heat equation by proportional feedbacks, Automatica 87 (2018), 152-158.
- 2) Ionuț Munteanu, Stabilization of stochastic parabolic equations with boundary-noise and boundary-control. Journal of Mathematical Analysis and Applications 449 (2017), no. 1, 829-842.
- 3) Ionuț Munteanu, Liu, Hanbing; Hu, Peng Boundary feedback stabilization of Fisher's equation. Systems Control Letters 97 (2016), 55-60.
- 4) Ionuț Munteanu, Stabilization of Semilinear Heat Equations, with Fading Memory, by boundary feedbacks, Journal of Differential Equations 259 (2015) 454-472.
- 5) Ionuț Munteanu , Stabilisation of parabolic semilinear equations. International Journal of Control 90 (2017), no. 5, 1063-1076.
- 6) Ionuț Munteanu, Normal feedback stabilization for linearized periodic MHD channel flow, at low magnetic Reynolds number, Systems Control Letters, 62, 55-62, 2013.
- 7) Ionuț Munteanu, Boundary stabilisation to non-stationary solutions for deterministic and stochastic parabolic-type equations, Int. J. Control, doi.org/10.1080/00207179.2017.1407878
- 8) Ionuț Munteanu, Boundary feedback stabilization of periodic fluid

flows in a magnetohydrodynamic channel, IEEE Transactions on Automatic Control 58 (8), 2119 - 2125, 2013.

- 9) Ionuț Munteanu, Normal feedback stabilization of periodic flows in a two-dimensional channel, Journal of Optimization Theory and Applications, 152(2), 413-443, 2012.
 - 10) Ionuț Munteanu, Boundary stabilization of the phase field system by finite-dimensional feedback controllers, Journal of Mathematical Analysis and Applications 412, 964 - 975, 2014 .
2. Teza de doctorat: Stabilisation of Navier-Stokes equations, coordonat de Acad. Viorel Barbu, in cadrul Universității Al. I. Cuza.
 3. Carte: I. Munteanu, Boundary stabilization of parabolic equations, Birkhauser Springer 2019.
 4. Restul lucrărilor științifice:
 - 1) Ionuț Munteanu, P. Colli and G. Gilardi, Stabilization of a linearized Cahn-Hilliard system for phase separation by proportional boundary feedbacks, International Journal of Control, doi.org/10.1080/00207179.2019.1597280.
 - 2) Ionuț Munteanu ,Exponential stabilization of the stochastic Burgers equation by boundary proportional feedback, Discrete and Continuous Dynamical Systems Series A, 10.3934/dcds.2019091.
 - 3) Ionuț Munteanu, M. Roeckner, The total variation flow perturbed by gradient linear multiplicative noise, Infinite Dimensional Analysis, Quantum Probability and Related Topics 21, 1, 22 pp.

- 4) Ionuț Munteanu , Boundary stabilization of a 2-D periodic MHD channel flow, by proportional feedbacks, ESAIM COCV 23(4), (2017), 1253-1266
- 5) Ionuț Munteanu, T. Barbu, A well-posed second-order anisotropic diffusion-based structural inpainting scheme. ROMAI J. 13 (2017), no. 1, 19
- 6) Ionuț Munteanu, T. Barbu, A nonlinear fourth-order diffusion-based model for image denoising and restoration, PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, Volume 18, Number 2/2017, pp. 108-115.
- 7) Ionuț Munteanu, Stabilization of a 3-D periodic channel flow by explicit normal boundary feedbacks. Journal of Dynamical and Control Systems 23 (2017), no. 2, 387-403.
- 8) Ionuț Munteanu, Boundary stabilization of the Navier-Stokes Equation with Fading Memory , International Journal of Control, 88 (3), 531-542, 2015.
- 9) Ionuț Munteanu, A. Lorenzi, Recovering a constant in the two-dimensional Navier-Stokes system with no initial condition, Applied Mathematics and Optimization 70 (2), 309-344, 2014 .
- 10) Ionuț Munteanu, Boundary stabilization of the phase field system by finite-dimensional feedback controllers, Journal of Mathematical Analysis and Applications 412, 964 - 975, 2014.
- 11) Ionuț Munteanu, 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, Tomul LVII, 259-268, 2012;
- 12) Ionuț Munteanu, V. Barbu, Internal stabilization of Navier- Stokes equation with exact controllability on spaces with finite codimension,, Evolution Equations and Control Theory, 1(1), 1-16, 2012.

- 13) Ionuț Munteanu, Existence of solutions for models of shallow water in a basin with degenerate varying bottom, *Journal of Evolution Equations*, 12(2), 393-412, 2012.
- 14) Ionuț Munteanu, Normal feedback stabilization of periodic flows in a three-dimensional channel, *Numerical Functional Analysis and Optimization*, 33(6), 611-637, 2012.

5. Alte articole in jurnale cu referenti:

- 1) Ionuț Munteanu, Tangential feedback stabilization of periodic flows in a 2-D channel, *Differential Integral Equations*, 24(5-6), 469-494, 2011;
- 2) Ionuț Munteanu, On a family of dynamical systems, in the Conference book CERMCS, 144-147, ISBN 978-9975-70-677-3.