

**Titlu proiect: CONTROLABILITATEA ȘI STABILIZABILITATEA ECUAȚIILOR DINAMICII FLUIDELOR**

**Categoria de proiect: PN-II-ID-PCE-2012-4-0456**

**Contractul de finanțare: 86 din 02/09/2013**

**Manager proiect: prof. dr. Cătălin George POPA**

### Listă rezultate

1	ARAMĂ Bianca-Elena	The cost of approximate controllability and an unique continuation result at initial time for the Ginzburg-Landau equation	2016	Applicable Analysis
2	MUNTEANU Ionuț	Boundary stabilization of the phase field system by finite-dimensional feedback controllers	2014	Journal of Mathematical Analysis and Applications
3	BARBU Viorel BEZNEA LUCIAN	Measure-valued branching processes associated with Neumann nonlinear semiflows	2016	Journal of Mathematical Analysis and Applications
4	BARBU Viorel Roeckner Michael	Backward uniqueness of stochastic parabolic like equations driven by Gaussian multiplicative noise	2016	Stochastic Processes and their Applications
5	BARBU Viorel Michael Roeckner	Global solutions to random 3D vorticity equations for small data	2016	Probability Theory and Related Fields
6	MUNTEANU Ionuț	Stabilization of a 3-D Periodic Channel Flow by Explicit Normal Boundary Feedbacks	2016	Journal of Dynamical and Control Systems
7	BARBU Viorel Bonaccorsi Stefano Tubaro Luciano	Existence and asymptotic behavior for hereditary stochastic evolution equations	2014	Applied Mathematical Optimization
8	BARBU Viorel Rockner Michael	An operatorial approach to stochastic partial differential equations driven by linear multiplicative noise	2015	Journal of the European Mathematical Society
9	BARBU Viorel Röckner Michael RUSSO Francesco	Stochastic porous media equations in $\mathbb{R}^d$	2015	Journal Mathematiques Pures et Appliquees
10	BARBU Viorel Rockner Michael Zhang Deng	Stochastic nonlinear Schrodinger equations	2016	NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS

11	LEFTER Cătălin-George	Internal Feedback Stabilization of Nonstationary Solutions to Semilinear Parabolic Systems	2016	JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS
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### Conferințe internaționale

- Lefter Catalin-George, Estimations de Carleman, controlabilite approchee et stabilisation des systemes paraboliques, 12e Colloque Franco-Roumain en Mathematiques Appliquees, Lyon, Franta, august 2014.
- Lefter Catalin-George, Stabilization of systems of parabolic equations, PDE's, Inverse Problems and Control Theory, Bologna, Italy, September 2014.

### Alte rezultate

- HAVARNEANU Teodor Dumitru, POPA Catalin George, Controlabilitatea exacta a ecuatiilor magnetohidrodinamicii fara functie de control intr-una din cele 3 ecuatii scalare ale partii magnetice, Sesiunea de comunicari a Institutului de Matematica Octav Mayer, Zilele Academiei Iesene, Iasi, 10 octombrie 2015.
- LEFTER Catalin-George, Asupra stabilizarii feedback a sistemelor parabolice, Sesiunea de comunicari a Institutului de Matematica Octav Mayer, Zilele Academiei Iesene, Iasi, 10 octombrie 2015.

### Mobilități

1. BARBU Viorel, 20/01/2016-20/02/2016, Scientific collaboration, University of Bielefeld, Germany.
2. BARBU Viorel, 01/07/2016-31/07/2016, Scientific collaboration, University of Bielefeld, Germany.
3. POPA Catalin George, 25/05/2016-05/06/2016, Scientific collaboration, Universite Cergy-Pontoise, Paris, France.
4. LEFTER Catalin-George, 27/05/2016-06/06/2016, Emerging Trends in Applied Mathematics and Mechanics ETAMM 2016, Universite de Perpignan, France.
5. HAVARNEANU Teodor Dumitru, 19/09/2016-25/09/2016, International Conference of Numerical Analysis and Applied Mathematics 2016 (ICNAAM), University of Peloponnese, Tripoli, Greece.
6. BARBU Viorel, 19/01/2015-19/02/2015, Scientific collaboration, University of Bielefeld, Germany.
7. BARBU Viorel, 13/04/2015-05/05/2015, Scientific collaboration, University of Verona, Italia.
8. POPA Catalin George, 10/09/2015-21/09/2015, Scientific collaboration, Universite Cergy-Pontoise, Paris, France.
9. HAVARNEANU Teodor Dumitru, 30/08/2015-04/09/2015, 4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015), University of Atena, Greece.
10. LEFTER Catalin-George, 29/03/2015-08/04/2015, Scientific collaboration, Universita di Cassino, Italia.
11. LEFTER Catalin-George, 16/04/2015-11/05/2015, Scientific collaboration, University of Wuhan, China.
12. BARBU Viorel, 07/12/2014-21/12/2014, Scientific collaboration, University of Bielefeld, Germany.

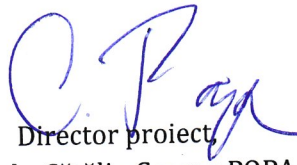
13. BARBU Viorel, 11/08/2014-11/09/2014, Scientific collaboration, University of Bielefeld, Germany.
14. POPA Catalin George, 01/09/2014-12/09/2014, Scientific collaboration, Universite Cergy-Pontoise, Paris, France.
15. HAVARNEANU Teodor Dumitru, 21/11/2014-26/11/2014, Scientific collaboration, Universite Cergy-Pontoise, Paris, France.
16. LEFTER Catalin-George, 24/08/2014-31/08/2014, 12e Colloque Franco-Roumain en Mathematiques Appliquees, Universite de Lyon, France.
17. LEFTER Catalin-George, 12/09/2014-22/09/2014, PDE's, Inverse Problems and Control Theory, Universita di Bologna, Italy.
18. MUNTEANU Ionut, 27/03/2014-06/04/2014, Control of PDEs, Conservatoire National des Arts et Metiers, Paris, France.

### Achiziții efectuate în cadrul proiectului

Denumire echipament	Categorie de achiziții*: (numai mijloace fixe )	Valoarea (lei)	Locație
Multifuncțională laser XEROX WorkCentre 3615+cablu USB+tonere de probă XEROX	Echipamente și mijloace moderne de documentare și comunicare	3.132,24	Universitatea Alexandru Ioan Cuza Iasi, Facultatea de Matematică

#### Categorie de achiziții\*:

1. Echipamente și aparatură de cercetare
2. Rețele de comunicații specializate
3. Baze de date și informații de specialitate
4. Echipamente și mijloace moderne de documentare și comunicare
5. Alte categorii

  
 Director proiect  
 Prof. dr. Cătălin George POPA