Liste de Publications de Ariela BRIANI

Les publications sont en ligne sur le serveur HAL, ArXiv et/ou sur ma page web du groupe CVGMT : http ://cvgmt.sns.it/person/200/

Article dans des revues intérnationales

[1] A. Briani, *A Hamilton-Jacobi equation with measures arising in Γ-convergence of optimal control problems*, Differential and Integral Equations, 12, no. 6, (1999), 849-886.

[2] A. Briani, *Convergence of Hamilton-Jacobi equations for sequences of optimal control problems*, Communications in Applied Analysis, 4, no. 2, (2000), 227-244.

[3] A. Briani, F. Rampazzo, *Lie algebraic obstruction to Γ-convergence of optimal control problems*, SIAM Journal on Control and Optimization, 40, no. 2, (2001), 370-392.

[4] A. Briani, F. Prinari, *A representation result for Γ-limit of supremal functionals*, Journal of Nonlinear and Convex Analysis, 2, (2003), 245-268.

[5] A. Briani, A. Garroni, F. Prinari, *Homogenization of L^∞ functionals*, Mathematical Models and Methods in Applied Sciences, 4 , no. 12, (2004), 1761-1784.

[6] A. Briani, A. Davini, *Monge Solutions for discontinuous Hamiltonians*, ESAIM. Control, Optimisation and Calculus of Variations, 11, (2005), 229-252.

[7] A. Briani, F. Rampazzo, *A density approach to Hamilton-Jacobi equations with t-measurable Hamiltonians*, NoDEA-Nonlinear Differential equations and Applications, 12, no.1, (2005), 71-92.

[8] A. Briani, *Sequences of L-infinity optimal control problems, Γ-convergence and Hamilton-Jacobi equations*, Asymptotic Analysis, 45, no. 3-4, (2005), 171-190.

[9] O. Bokanowski, A. Briani, H. Zidani, *Minumum time control problems for non autonomous differential equations*, Systems & Control Letters, 58, (2009), 742–746.

[10] A. Briani, R. Monneau, *Time-homogenization of a first order system arising in the modeling of the dynamics of dislocation densities*, C.R. Acad. Sci. Paris, 347,(2009), 231-236.

[11] N. Alibaud, A. Briani, R. Monneau, *Diffusion as a singular homogenization of the Frenkel-Kantorova model*, Journal of Differential Equations, 251 (2011), no. 4-5, 785–815

[12] A. Briani, H. Zidani *Characterization of the value function of final state constrained control problems with BV trajectories*, Communications on Pure and Applied Analysis, 10 (2011), no. 6, 1567–1587.

[13] A. Briani, A. Chambolle, M. Novaga, G. Orlandi. *On the gradient flow of a one-homogeneous functional*, Confluentes Math. 3 (2011), no. 4, 617–635.

[14] A. Briani, F. Camilli, H. Zidani, *Approximation of monotone systems of nonlinear second order partial differential equations : convergence and error estimate*, Differential Equations and Applications, 4 (2012), no. 2, 297–317.

[15] G. Barles, A. Briani, E. Chasseigne, *A Bellman approach for two-domains optimal control problems in $\mathbf{R}^N$*. ESAIM Control Optim. Calc. Var., 19 (2013), no. 3, 710–739.

[16] G. Barles, A. Briani, E. Chasseigne, *A Bellman approach for regional optimal control problems in $\mathbf{R}^N$*. SIAM J. Control Optim. 52 (2014), no. 3, 1712–1744.

[17] G. Barles, A. Briani, E. Chasseigne, N. Tchou, *Homogenization Results for a Deterministic Multi-domains Periodic Control Problem*, Asymptotic Analysis, 2015, 95 (3-4), 243–278.

[18] G. Barles, A. Briani, E. Chasseigne, C. Imbert, *Flux-limited and classical viscosity solutions for regional control problems*, ESAIM : Control, Optimisation and Calculus of Variations, 24 (2018), 1881–1906.

[19] G. Barles, A. Briani, E. Trélat, *Value function for regional control problems via dynamic programming and Pontryagin maximum principle*, Mathematical Control and Related Fields, 8 (2018), 3-4, 509–533.

[20] A. Briani, P. Cardaliaguet, *Stable solutions in potential mean field game systems*, Nonlinear Differential Equations and Applications, 25, (2018), no.1.

[21] I. Birindelli, A. Briani, H. Ishii, *Test functions approach to fully nonlinear equation in thin domains*, to appear on Proceedings of the American Mathematical Society.
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Articles soumis dans des revues intérnationales

- I. Birindelli, A. Briani, H. Ishii, *Fully nonlinear elliptic PDEs in thin domains with oblique boundary condition*, preprint 2024, arXiv : https ://arxiv.org/abs/2410.23925.

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- A. Briani, M. Falcone, *A priori estimates for the approximation of a parabolic boundary control problem*, W. Desch, F. Kappel, K. Kunisch, eds., Control and Estimation of Distributed Parameter Systems, International Series of Numerical Mathematics, Birkhauser Verlag, Basel, Vol. 126, 49-65, 1998.

- P. Acquistapace, A. Briani, Γ-*convergence for infinite dimensional optimal control problems*, in Evolution Equations, Semigroups and Functional Analysis, Progress in Nonlinear Differential Equations and Their Applications, no. 50, Birkhauser, Berlin, 2002.

Actes de colloque ou Congrés

- A. Briani, A. Marta, *Numerical Solution of a boundary control problem for the heat equation*, 3rd International Congress on Industrial and Applied Mathematics (ICIAM 95) "Numerical Analysis, Scientific Computing, Computer Science", (ZAMM), **76**, 363-364, Akademie Verlag, Berlin, 1996.

- A.Briani, G. Barles, E. Chasseigne, N. Tchou. *Un résultat d' homogénéisation pour une quation de Hamilton-Jacobi périodique sur un réseau hétérogéne*. 5th Annual International Conference on Partial Differential Equations EDP-NORMANDIE 2015, Oct 2015, Le Havre, France.

Notes de cours (niveau Master-Doctorat)

- A. Briani, *Notes on Viscosity Solutions for Partial Differential Equations*, Lecture Notes, School of Mathematical Sciences, Dublin City University, Dublin, Ireland, 2002.
(http ://cvgmt.sns.it/papers/bri02/)

- A Briani, *Introduction to control theory and Hamilton-Jacobi equations*, Appunti del minicorso, Laurea Magistrale in Matematica, Universitá di Verona, 20-24 Aprile 2015.