

Liste de Publications de de Ariela BRIANI

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Article dans des revues internationales

- [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, *Minimum 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.

Articles soumis dans des revues internationales

- I. Birindelli, A. Briani, H. Ishii, *Test functions approach to fully nonlinear equation in thin domains*, preprint, arXiv : <https://arxiv.org/abs/2404.19577> .

Conférences internationales avec comité de lecture

- 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 Congrès

- 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 équation de Hamilton-Jacobi périodique sur un réseau hétérogène*. 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, Università di Verona, 20-24 Aprile 2015.