

## List of publications of Martino BARDI

### Books

3. M. Bardi, I. Capuzzo-Dolcetta: Optimal control and viscosity solutions of Hamilton-Jacobi-Bellman equations. Systems & Control: Foundations & Applications. Birkhäuser, Boston, 1997. (MR 99e:49001) 2nd printing, Modern Birkhäuser Classics, 2008.
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1. M. Bardi, M.G. Crandall, L.C. Evans, H.M. Soner, P.E. Souganidis: Viscosity solutions and applications (Montecatini Terme, 1995). Edited by I. Capuzzo Dolcetta and P. L. Lions. Lecture Notes in Mathematics, 1660. Springer-Verlag, Berlin, 1997. (MR 98f:49029)  
[MR = Mathematical Reviews]

### Research papers

(mostly available at <http://cvgmt.sns.it/people/bardi/>)

78. M. Bardi, A. Goffi: Liouville results for fully nonlinear equations modeled on Hörmander vector fields. I. The Heisenberg group, Math. Ann. (2020)  
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77. M. Bardi, P. Cardaliaguet: Convergence of some Mean Field Games systems to aggregation and flocking models, Nonlinear Analysis 204 (2021), no. 112199, 24 pp.  
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76. M. Bardi, E. Feleqi, P. Soravia: Regularity of the minimum time and of viscosity solutions of degenerate eikonal equations via generalized Lie brackets, Set-Valued and Variational Analysis 29 (2021), 83–108. DOI:10.1007/s11228-020-00539-z
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72. M. Bardi, M. Cirant: Uniqueness of solutions in Mean Field Games with several populations and Neumann conditions, in "PDE models for multi-agent phenomena", P. Cardaliaguet, A. Porretta, F. Salvarani editors, pp. 1-20, Springer INdAM Series, 2018.  
DOI: 10.1007/978-3-030-01947-1\_1
71. Y. Achdou, M. Bardi, M. Cirant: Mean Field Games models of segregation, Math. Models Methods Appl. Sci. 27 (2017), 75–113, DOI: 10.1142/S0218202517400036

70. M. Bardi, E. Feleqi: Nonlinear elliptic systems and mean field games, *NoDEA Nonlinear Differential Equations Appl.* 23 (2016), 23–44, DOI: 10.1007/s00030-016-0397-7
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68. M. Bardi, A. Cesaroni, L. Rossi: Nonexistence of nonconstant solutions of some degenerate Bellman equations and applications to stochastic control, *ESAIM Control Optim. Calc. Var.* 22 (2016), 842–861, DOI: 10.1051/cocv/2015033
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61. M. Bardi, F.S. Priuli: LQG Mean-Field Games with ergodic cost, *Proc. 52nd IEEE-CDC*, Florence, 2013, 2493–2498.
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**Conference proceedings, preprints, technical reports, lecture notes**

(mostly available at <http://cvgmt.sns.it/people/bardi/>)

13. M. Bardi, A. Goffi: Liouville results for fully nonlinear equations modeled on Hörmander vector fields: II. Carnot groups and Grushin geometries, preprint 2021.
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