

Publications

Books

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P.E. Caines and R.Hermann, Eds: **Geometry and Identification: Proceedings of the First APSM Workshop on System Geometry, System Identification and Parameter Estimation**, Math. Sci. Press, Brookline, Mass., April 1983.

Publications in Journals and Books

1. D. Gromov and P. E. Caines, “Stability of Composite Thermodynamic Systems with Interconnection Constraints.” *Institute of Engineering and Technology Journal on Control Theory and Applications*, 2015, pp 1-8, ISSN 1751-8644, doi: 10.1049/iet-cta.2014.0867
2. M. Nourian, P. E. Caines, R. P. Malhamé, “A Mean Field Game Synthesis of Initial Mean Consensus Problems: A Continuum Approach for Non-Gaussian Behaviour.” *IEEE Trans. on Automatic Control*, vol. 59, no. 2, 2014, pp. 449-455
3. P. E. Caines, “Mean Field Games”, *Encyclopedia of Systems and Control*, Eds. T. Samad and J. Ballieul. SpringerReference 364780; DOI 10.1007/978-1-4471-5102-9 30-1, Springer-Verlag, London, 2014
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8. A. C. Kizilkale and P. E. Caines, "Mean Field Stochastic Adaptive Control." *IEEE Trans. on Automatic Control*. Vol. 58, No. 4, April, 2013, pp. 905-920
9. M. Nourian, P. E. Caines, R. P. Malhamé, M.Y. Huang, "Nash, Social and Centralized Solutions to Consensus Problems via Mean Field Control Theory." *IEEE Trans. on Automatic Control*. Vol.58 , No.3, 2013, pp. 639-653
10. P. Jia and P. E. Caines, "Analysis of Decentralized Quantized Auctions on Cooperative Networks." *IEEE Transactions on Automatic Control*, Vol 52, No. 2, 2013, pp. 529-534
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