

Biography of Roland Malhamé

Roland Malhamé received the Bachelor's, Master's and Ph.D. degrees in Electrical Engineering from the American University of Beirut, the University of Houston, and the Georgia Institute of Technology in 1976, 1978 and 1983 respectively.

After single year stays at University of Quebec , and CAE Electronics Ltd (Montreal), he joined in 1985 École Polytechnique de Montréal, where he is Professor of Electrical Engineering. In 1994, 2004, and 2012 he was on sabbatical leave respectively with LSS CNRS (France), École Centrale de Paris, , and University of Rome Tor Vergata.

His interest in statistical mechanics inspired approaches to the analysis and control of large scale systems has led him to contributions in the area of aggregate electric load modeling, and to the early developments of the theory of mean field games. His current research interests are in collective decentralized decision making schemes, and the development of mean field based control algorithms in the area of smart grids and communication systems. From June 2005 to June 2011, he headed GERAD, the Group for Research on Decision Analysis. He is an Associate Editor of *International Transactions on Operations Research*, and *IEEE Transactions on Automatic Control*.