Prof. Alin Cârsteanu, PhD

Prof. Cârsteanu's major research interests are focused towards stichastical-dynamical modeling of hydro-meteorogical processes, including space-time multifractality, rime series analysis techniques in both state space and probability space, and harmonic analysis using diffrent types of wavelets. Ph.D in Civil Engineering and Mathematics from the University of Minesota, pstoc at the Chair of Statistical Hydrology (National Institute of Scientific Research, University of Quebec). Reseacher and Professor at the National Polytechnic Institute, Mexico City since 2000, first at the Center for Research and Advanced Studies (2000-2009), then at the School of Physics and Mathematics (since 2010). Alvin G Anderson Award (University of Minesota). Most important published results include: internal dependence in the multifractal kernel of temporal rainfall, complete optimization of discrete tim-frequency representations, rigorous formalization of Gamma-Laquerre probability distribution functions, parameterization of multifractal rainfall extremes from digital imagery, phenomenology underlying Taylor-type space-time transposition in atmospheric turbulence.