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*Recent developments on magnetohydrodynamics and related systems.*

This talk discusses some recent developments on the magnetohydrodynamics (MHD) and related systems for both deterministic and stochastic perspectives. The equations of interest include the MHD system, Navier-Stokes equations, micropolar and magneto-micropolar fluid systems, MHD-Hall system and Boussinesq system. The type of results to be discussed may include well-posedness and ergodicity, etc. (Received July 05, 2017)