Slim Ibrahim* (ibrahims@uvic.ca), Department of Mathematics and Statistics, Victoria, BC, Canada, and Nader Masmoudi, Courant Institute, NY. On the wellposedness of the Navier-Stokes-Maxwell system.

We investigate the local wellposedness (and global for small data) of a full system of Magneto-Hydro-Dynamic equations. Our results cover both the space dimensions two and three and constitute a refinement of earlier results. (Received September 21, 2011)