

Advanced Control of Smart Fluids and Fluid Flows

Content: This session focuses on two major topics. The one covers the advanced controls related to themselves and applications of smart fluids such as ER(Electro-Rheological) Fluids, MR(Magneto-Rheological) Suspensions, Magnetic Fluids, Liquid Crystals, EHD(Electro-Hydro-Dynamic) Fluids, Smart Elastomers, Functional Plasma, and so on. And the other includes the advanced controls of various fluid flows such as Jets, Vortices, Wakes and Separated Flows.