Title: Comparison theorems for ODEs and its application to geometry of Weingarten hypersurfaces

Speaker: Takashi Okayasu (Ibaraki Univ.)

Abstract: We give comparison theorems for some type of ordinary differential equation systems. We apply these theorems for constructing complete Weingarten hypersurfaces in the Euclidean spaces. They include constant scalar curvature hypersurfaces and hypersurfaces whose second fundamental form are of constant length.