

Title: The Story of an Enduring Idea - From Jean-Victor Poncelet to
Active Disturbance Rejection Control Technology

Abstract: “The successes of great conquerors and kings are nothing by comparison with the effect of a single great thought which springs into the world and spreads itself steadily and irresistibly...” (Egon Friedell) In this talk for the technical and non-technical audiences alike, we trace the journey of such a thought that is 200 years in the making: from its origin in the Poncelet’s Isochronous Governor in the 1829 France, to its first revival in Shipanov’s Invariance Principle in the 1939 Soviet Union, and then to its renaissance in Han’s Active Disturbance Rejection Control in the 1995 China, and finally to its present day materialization in the U.S., leading to a disruptive industrial control technology and a venture funded spin-off company.