

ISBS Applied Session 2017

The purpose of this session is to present how a dynamical systems approach can be applied to the analysis of sports related movements. Throughout the session we will build a theoretical framework for understanding nonlinearity in human movement and the link between perception and action. We will also review some popular methods used in non-linear analyses and their strengths and limitations. Finally we will discuss how these concepts can be applied to understand movement coordination in the individual athlete, and ecological principles underlying coordination within and between sports teams during competition.