Model-based Methods

Chapter 3

Low-speed Gait Search

B-SLIP Gait Library

Interacting Multi-Model Estimation

Using gait feature and gait speed relationtionships for predictive estimation

Chapter 4

Data-driven Gait Feature Models

Predictions made at TD

Buttressed Kalman Filter

Addressing the scarcity of training data

Chapter 5

Pooling Data from Uninjured and Injured Users

Mutual Information-based data selection

Learning-based Methods