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