



# SiMi Education Days 2017

## Day 1

- 9:00 Welcome and introduction
- 9:30 Motion analysis methods and systems - strengths, weaknesses and practical value  
Video, marker-based, markerless, hybrid, IMU, force plate, EMG
- 11:00 Coffee break*
- 11:15 Training on marker-based tracking (part 1)  
System calibration, correct 2D detection settings - tracking setting and image processing
- 12:30 Lunch*
- 13:30 Generating correct 3D data  
3D model assignment - Filtering and data preparation - Failure correction strategies
- 15:00 Coffee break*
- 15:15 Integration of force plates and EMG and creating a full gait report
- 16:00 Training on marker-based tracking (part 2)  
Practice on - 2D detection - 3D model assignment - Failure corrections - Filtering and data preparation - Creating the hanavan report
- 17:30 End*

## Day 2

- 9:00 Introduction to MMC - markerless motion capture
- 9:30 Project file preparation and segmentation
- 10:30 Coffee break*
- 10:45 Initialization and tracking
- 12:15 Tracking options
- 13:00 Lunch*
- 14:00 Extended initialization and tracking options
- 15:30 Coffee break*
- 15:45 Generating movement reports with MMC
- 16:30 End*

## Day 3

- 9:00 Presentation and discussion of MMC research and projects
- 10:30 Coffee break*
- 10:45 Hybrid tracking marker-based
- 12:15 Lunch*
- 13:15 Hybrid tracking IMU-based
- 14:45 Coffee break*
- 15:00 Inter and intra trial data combinations
- 15:45 Closing and discussions
- 16:30 End*