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## Mobility Performance in Wheelchair Basketball

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During a wheelchair basketball game, the interaction between wheelchair and athlete has an impact on the performance of the athlete. Optimal interaction is therefore extremely important because it may be decisive for winning or losing the game. But what is optimal interaction and how to achieve it? A basketball sports wheelchair can be adjusted in many ways and all adjustments have a potential effect on the interaction and therefore on the performance. In the search for the optimal adjustment of the wheelchair to the athlete, detailed information about all wheelchair movements and athlete actions during a wheelchair basketball game is required. These wheelchair movements and athlete actions are called mobility performance. The research in this thesis describes the way to model mobility performance by means of *defining, quantifying, simulating, predicting* and *optimizing* mobility performance.

Mobility performance in wheelchair basketball

Annemarie de Witte

# MOBILITY PERFORMANCE IN WHEELCHAIR BASKETBALL



Annemarie de Witte

## UITNODIGING

Voor het bijwonen van de openbare verdediging van mijn proefschrift:

## MOBILITY PERFORMANCE IN WHEELCHAIR BASKETBALL

Woensdag 23 mei 2018  
13.45 uur in de Aula van  
De Vrije Universiteit  
Boelelaan 1105  
Amsterdam

Na afloop bent u van harte  
welkom op de receptie

Annemarie de Witte

**Paranimfen**

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Bart Leyzer