



**BME** PARIS  
BioMedical Engineering  
MASTER'S PROGRAM

# Cyborgification & paralympics

Open Your Mind Seminar

**Friday, Nov 19 2021**  
**1.30 pm – 3 pm**

Arts et Métiers  
155 Boulevard de l'Hôpital  
75013 Paris  
Bézier Amphitheater

## Biomechanical analyses in Paralympic sprinting and jumping disciplines

It is an ongoing debate, if athletes, using technical aids due to physical impairments, e.g. running specific prostheses, should be allowed to compete with athletes without impairment and prosthetic aids. Biomechanical analyses of the related tasks as sprinting or jumping and the investigation of performance limiting factors – here in particular the exchange of mechanical energy – can help to understand movement mechanisms and therefore support decision makers in governing bodies.

**Potthast WOLFGANG**

German Sport University, Cologne, Institute  
for Biomechanics and Orthopaedics

