

CERTIFICATE

Mohammadreza Rezaie

has completed the 4.0 ECTS PhD course

"Musculoskeletal Modeling by Multibody Dynamics"

2-6 May, 2022

Description: This PhD course introduced techniques for modeling of musculoskeletal systems based on multibody dynamics. The course took a bottom-up approach beginning with kinematics of open and closed chains and ending with analysis of complex and anatomically realistic models. The course used the AnyBody Modeling System throughout and contained an introduction to this system. The course covered the following topics:

- Kinematics
- Kinetics
- Muscle Systems
- Building models with the repository
- Validation and verification
- Individualization

Course responsible: Professor John Rasmussen

Lecturers: Professor John Rasmussen, Associate Professor Mark de Zee and Associate Professor Michael Skipper Andersen

A handwritten signature in blue ink, appearing to read "John K. Pedersen".

John K. Pedersen
PhD Study Director

A handwritten signature in blue ink, appearing to read "Maria Bredvig".

Maria Bredvig
AAU PhD