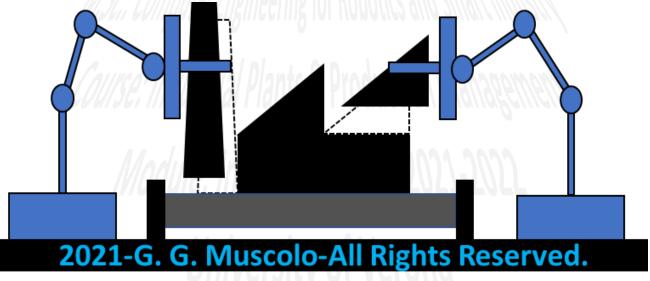






(S.S.D.-ING-IND/13)



Industrial Plants

(S.S.D. ING-IND/13)

Dr. Giovanni Gerardo Muscolo Assistant Professor in Applied Mechanics (S.S.D.-ING-IND/13)

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Program

Industrial Plants (S.S.D.-ING-IND/13)

- 1. Introduction and Objectives
- 2. Fundamentals of Mechanics Applied to Industrial Plants
- 3. Functional Design of Industrial Machines and Robots in a Smart Industry
- 4. Functional Elements of Dynamic of Machinery
- 5. Example of an Industrial Plant Project (IPP)

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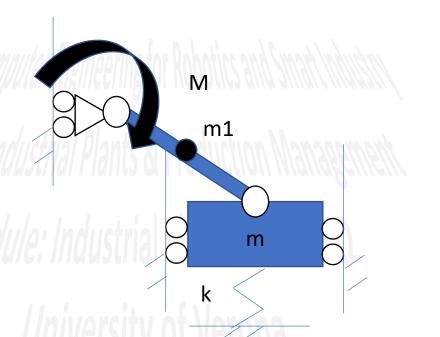
Example of an Industrial Plant Project (IPP)

Functional Elements of Dynamic of Machinery Functional
Design
of Industrial
Machines
and Robots in a
Smart Industry

Introduction and Objectives

Fundamentals of Mechanics Applied to Industrial Plants

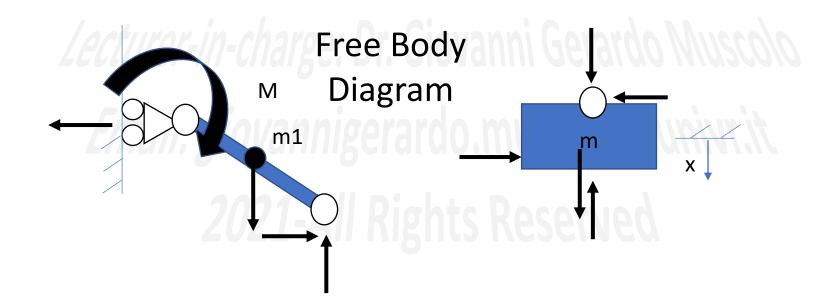






EXERCISE (dynamics):

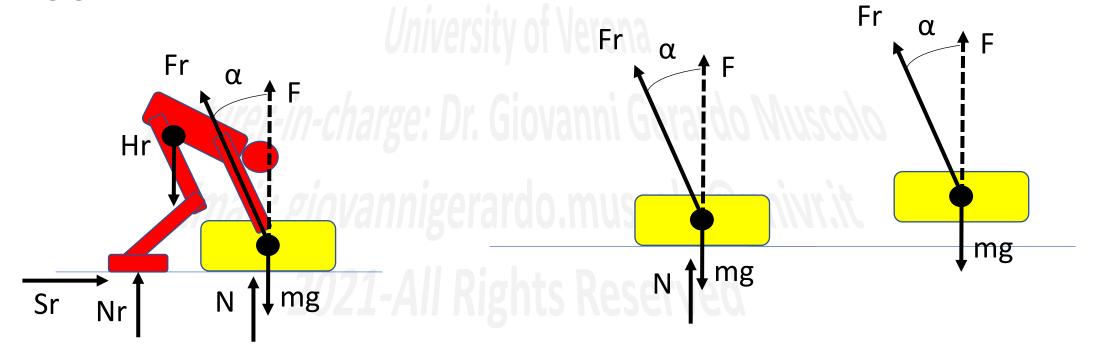
Equilibrium, Balancing Condition







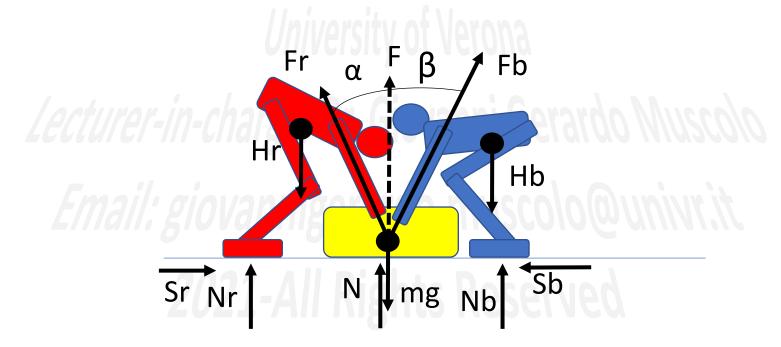
EXERCISE (dynamics):







EXERCISE (dynamics):

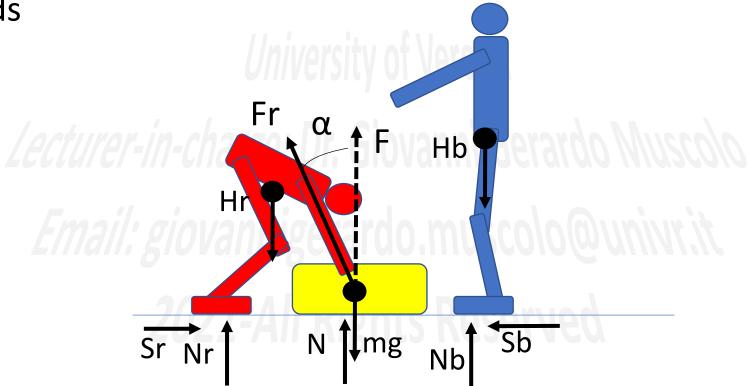






Jurse: Industrial Plants & Production Management

EXERCISE (dynamics):

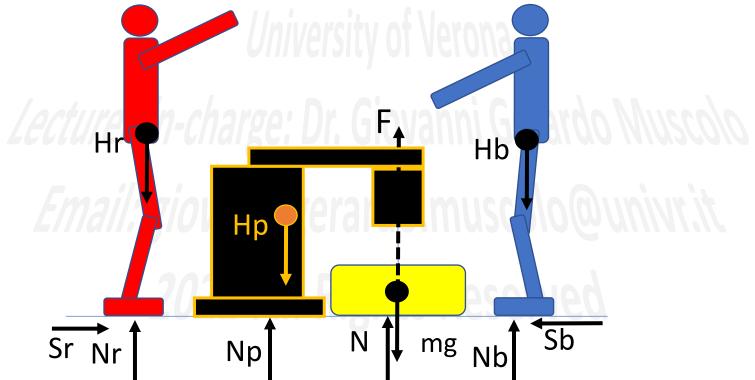






Jourse: Industrial Plants & Production Management

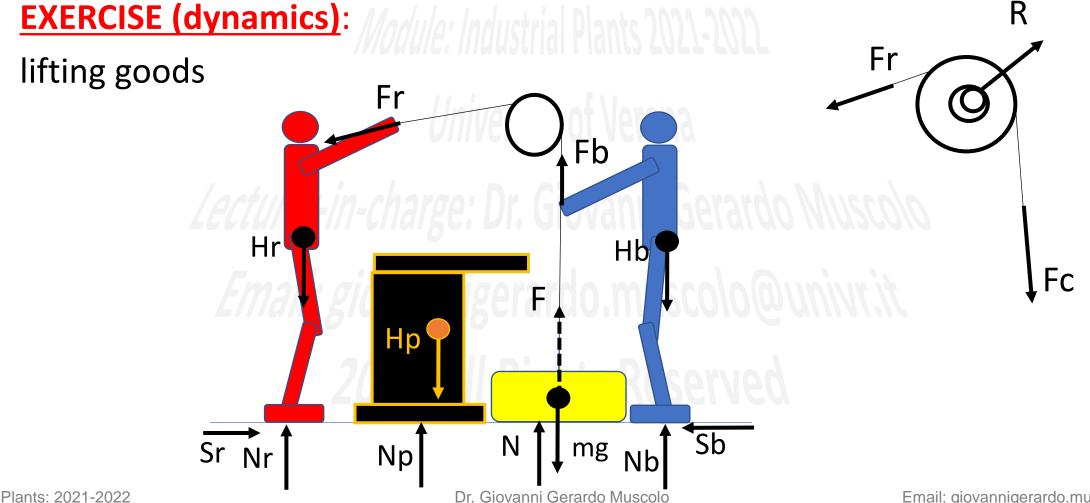
EXERCISE (dynamics):







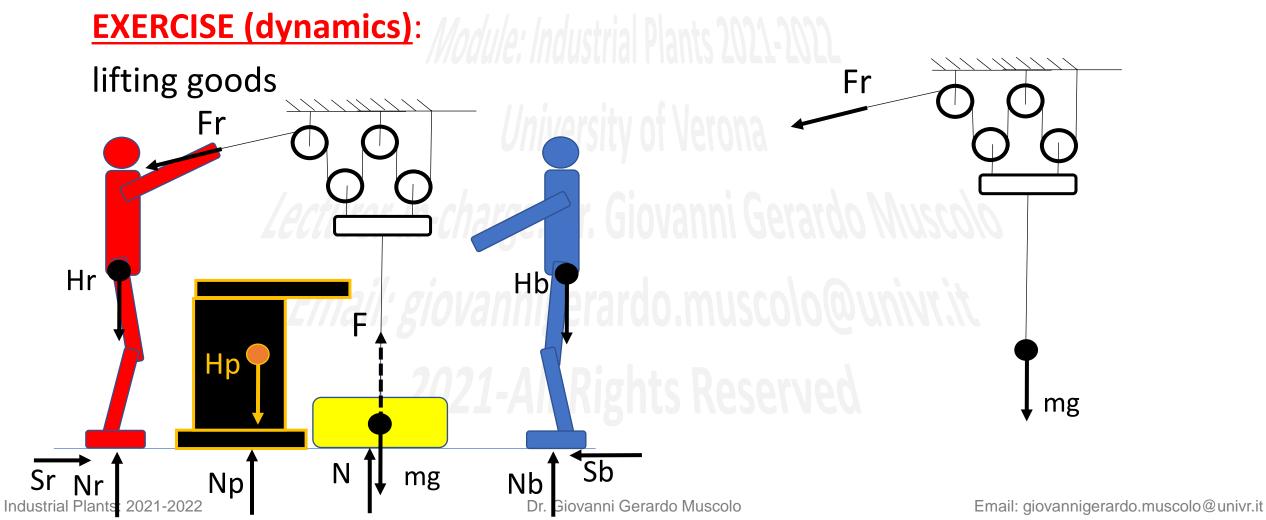




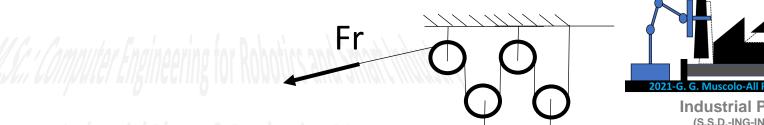




Course: Industrial Plants & Production Management





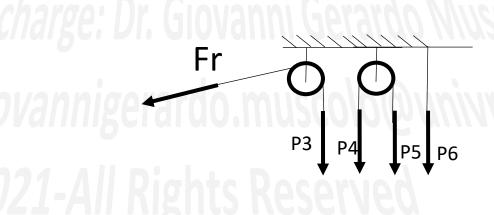




EXERCISE (dynamics):

lifting goods

P4=P5=P6=P3=Fr;









EXERCISE (dynamics):

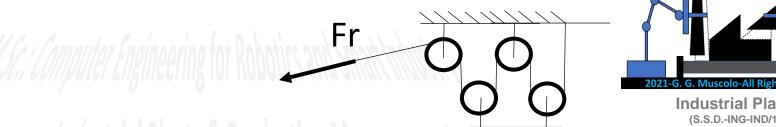
lifting goods

P1=P3+P4=2Fr;

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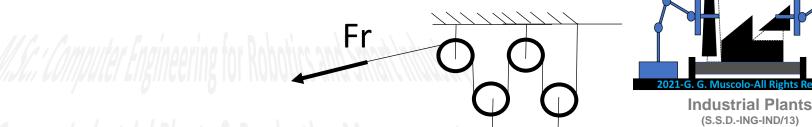
EXERCISE (dynamics):

lifting goods

P2=P5+P6=2Fr;

Industrial Plants: 2021-2022







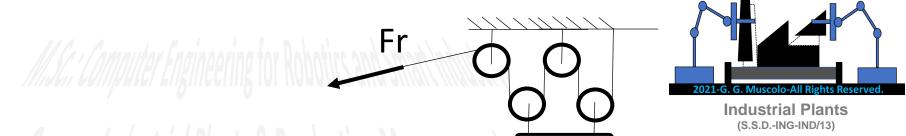
EXERCISE (dynamics):

lifting goods

T=P1+P2=4Fr;

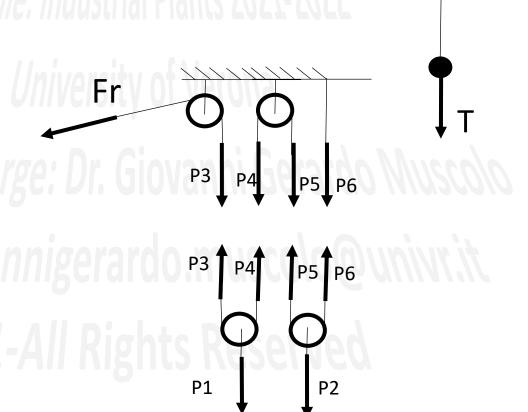
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EXERCISE (dynamics):

lifting goods



P1 P2







Example of an Industrial Plant Project (IPP)

Functional Elements of Dynamic of Machinery Functional
Design
of Industrial
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Smart Industry

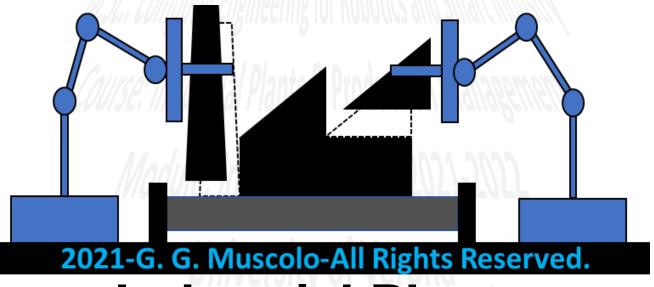
Introduction and Objectives

Fundamentals of Mechanics Applied to Industrial Plants









Industrial Plants

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