
Santiago, Chile, 6-7 December 2017
Gender Summit 12
http://gendersummitchile.cl

Table 11: "Engineering, biotechnology and diversity"

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Community Transformation through Integrative STEM Education Research Practice Partnerships

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UNIVERSITY of TASMANIA

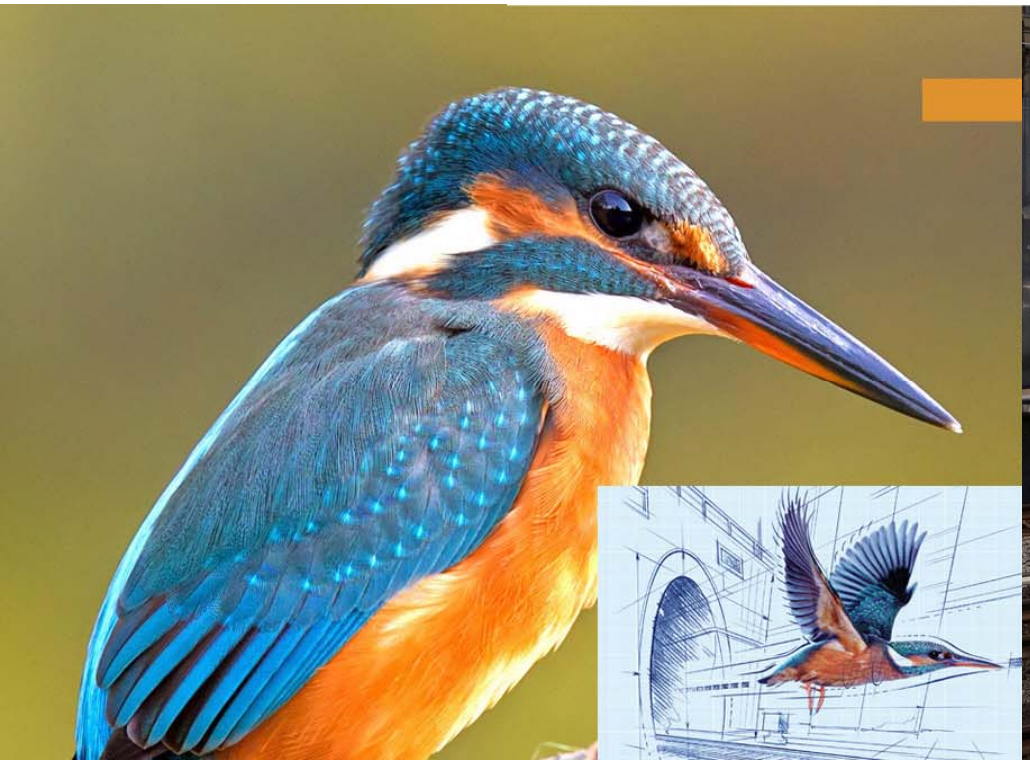
FACULTY OF SCIENCE, ENGINEERING & TECHNOLOGY

Why Biomedical Engineering?

1. *Help improve the lives of others*
2. *Fulfil personal, social, and societal interests in diverse settings*
3. *Solve practical problems*
4. *Empower women's intellectual curiosity and technical ability*
5. *Work in a collaborative, diverse, inclusive, and multidisciplinary field*

Biologically Inspired Engineering

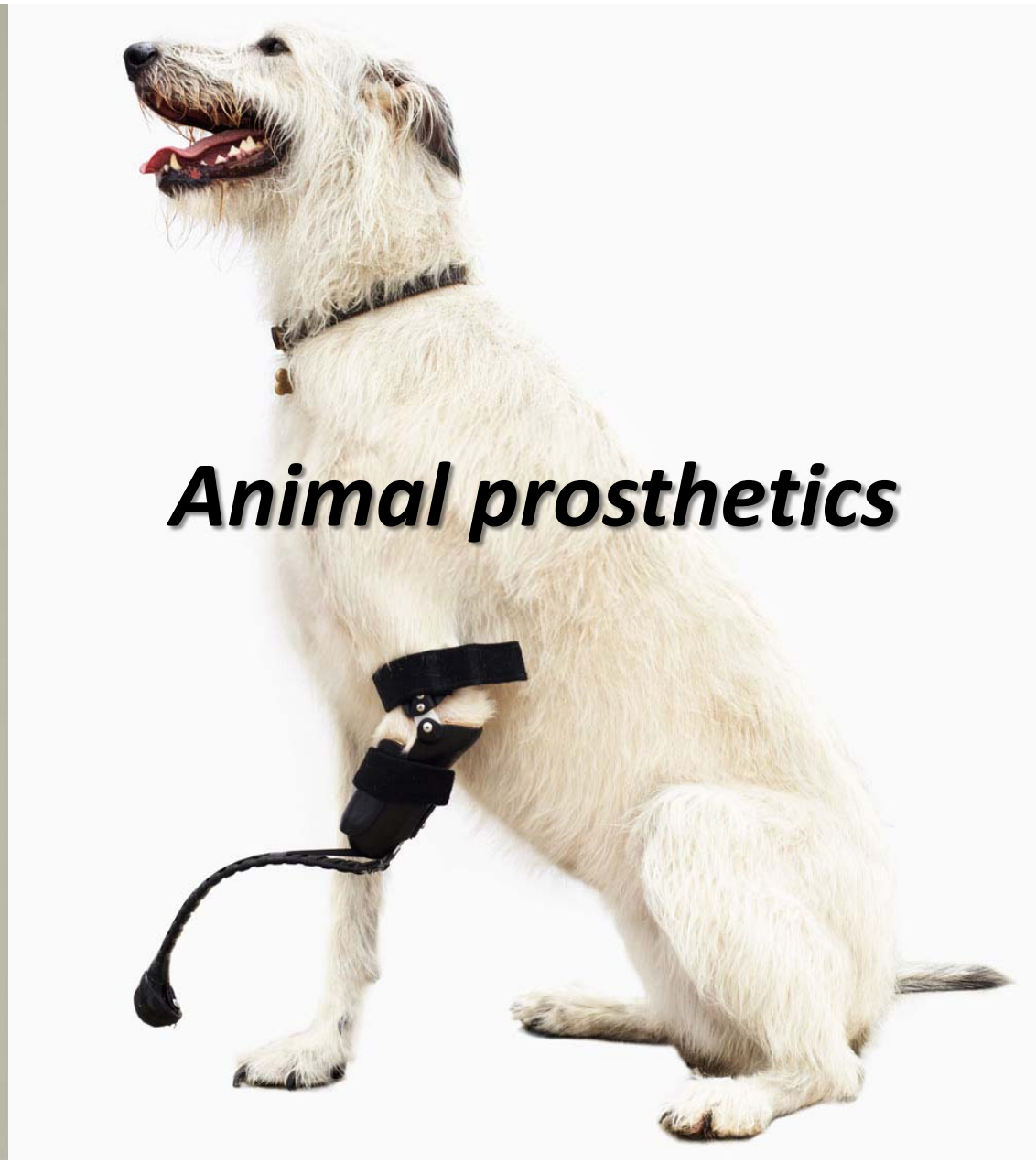
Bio-mimetics/Bio-mimicry



Inventions inspired by Nature

Biomedical Engineering


Human prosthetics


Animal prosthetics


Improving dexterity in dealing with daily tasks

Enabling participation in sports

Health Informatics Engineering

IT-based innovations in healthcare

Smart clothing

INTERACTION *for Stroke*

Full Body Sensing System for Daily Life Performance Monitoring

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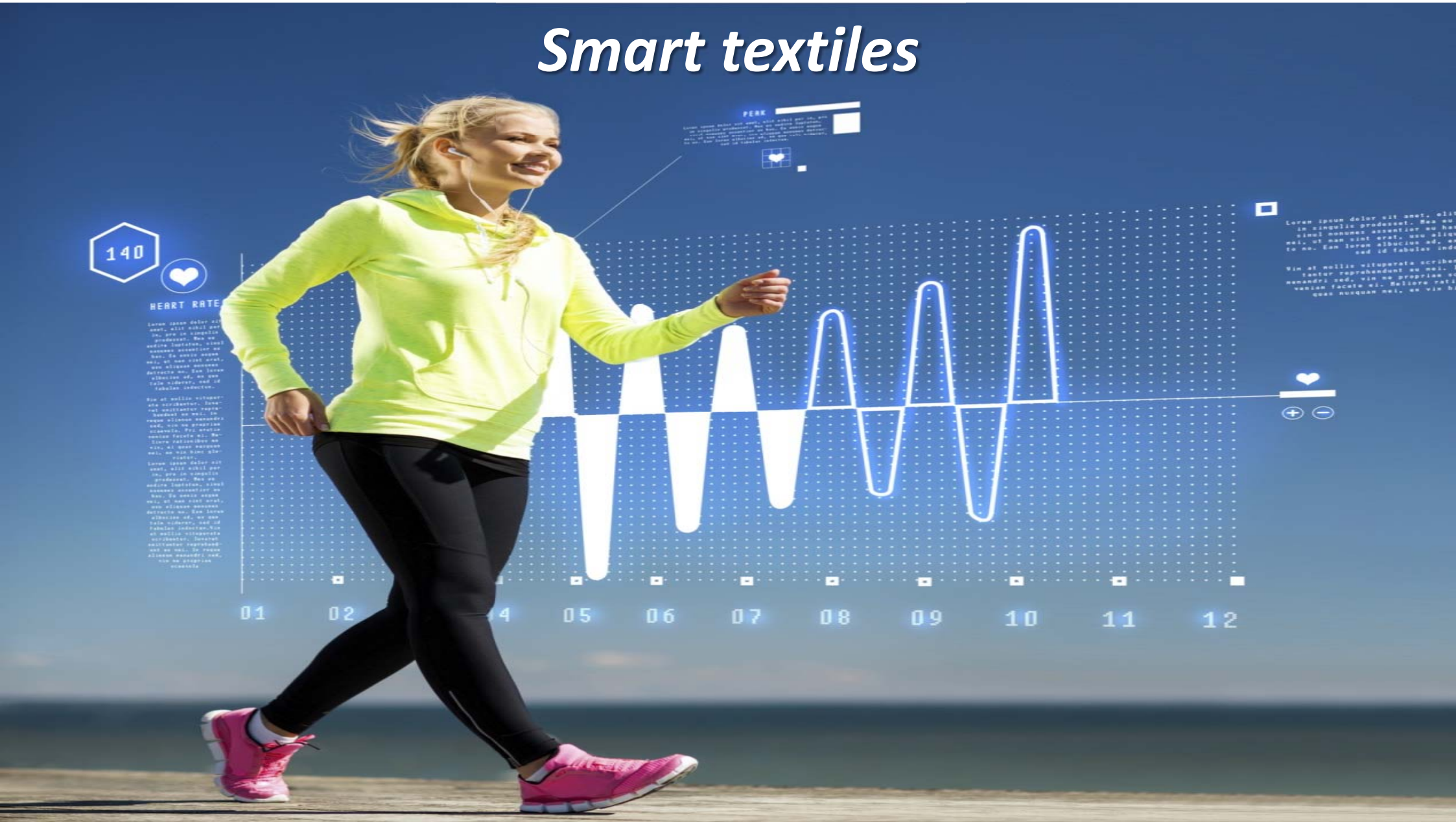
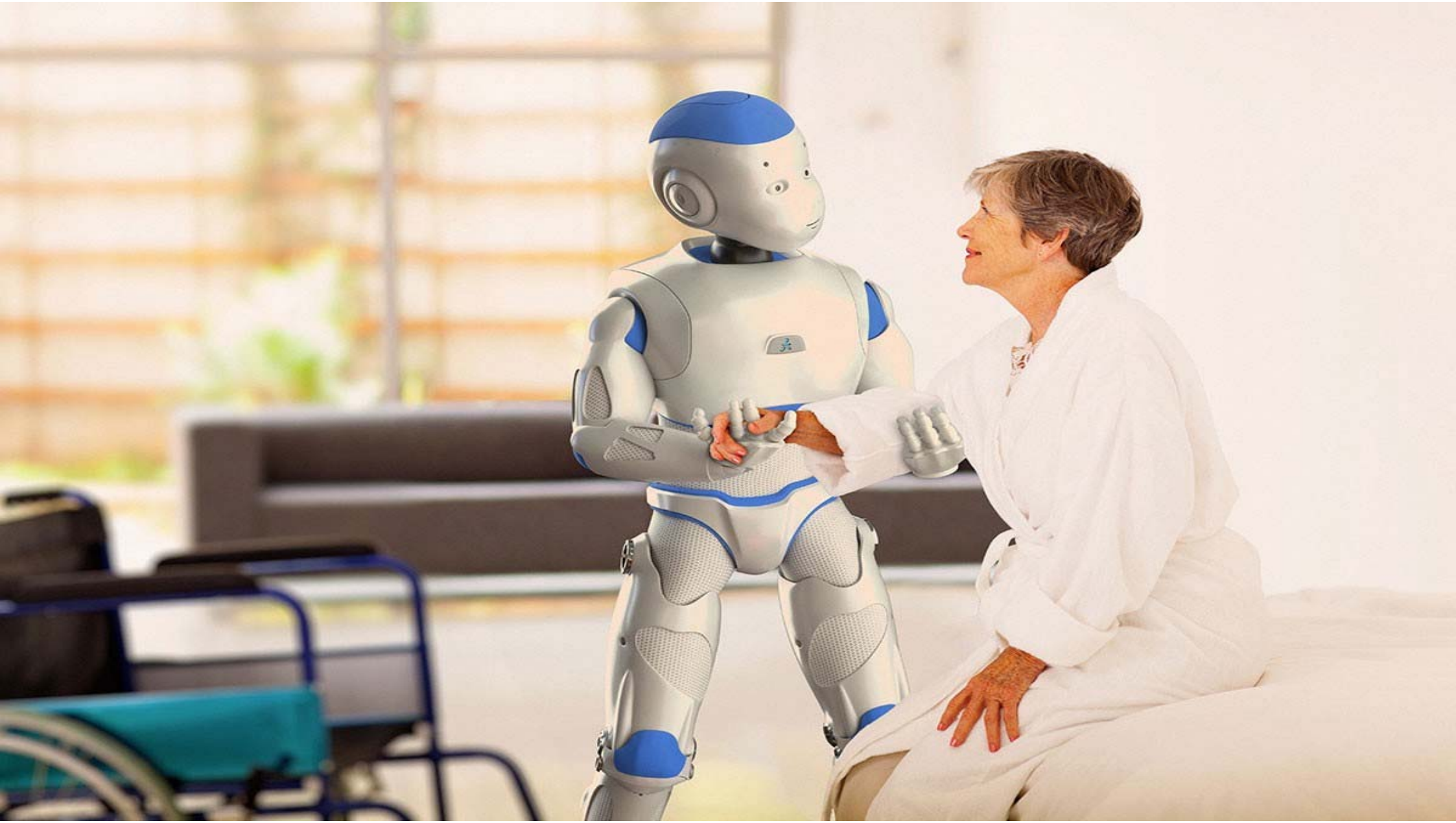
xsens Roessingh Research and Development Smartex

Smart textiles



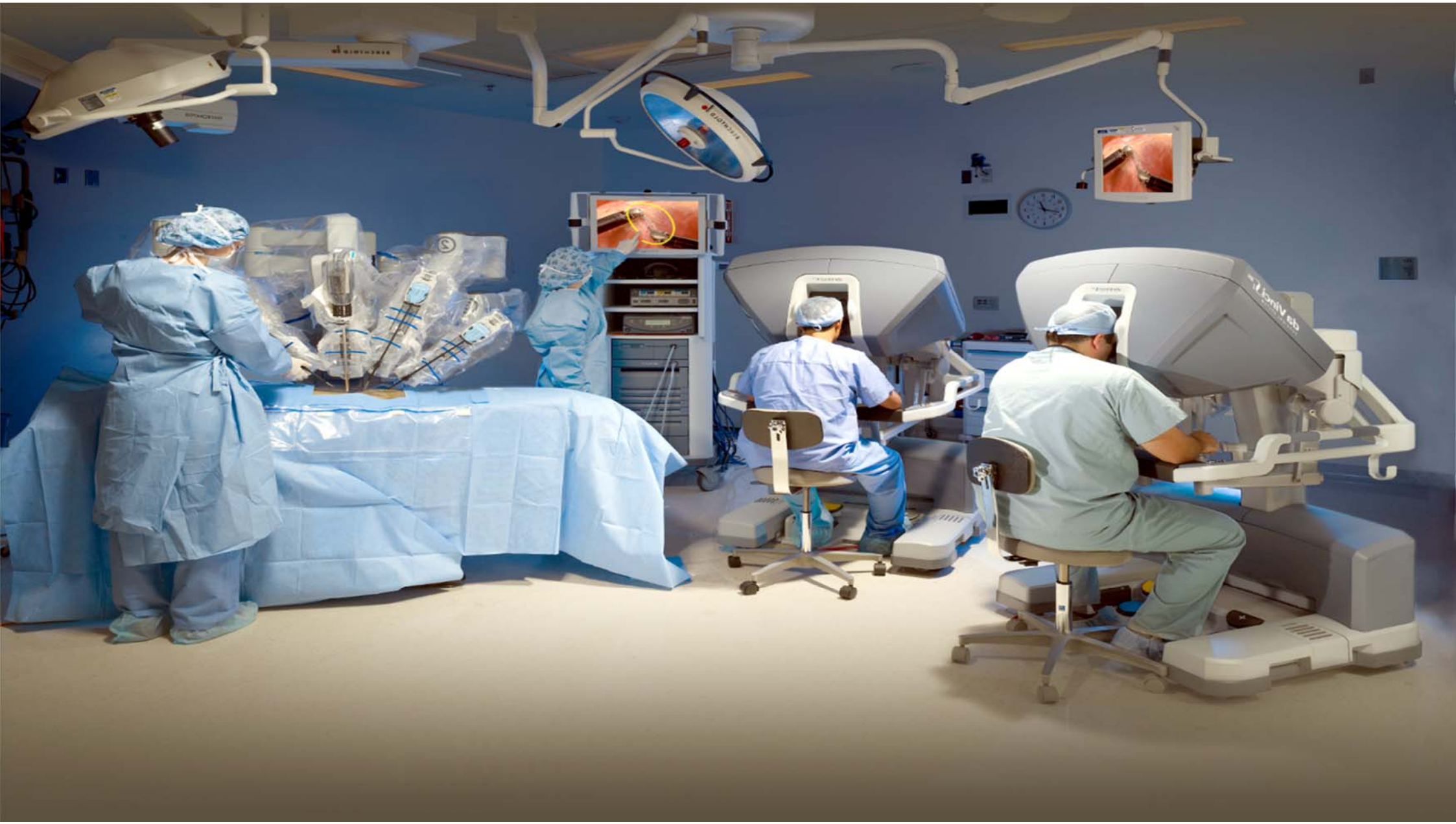
Personal Care Robotics




ROBEAR


TU/e

Robotic Surgery


da Vinci