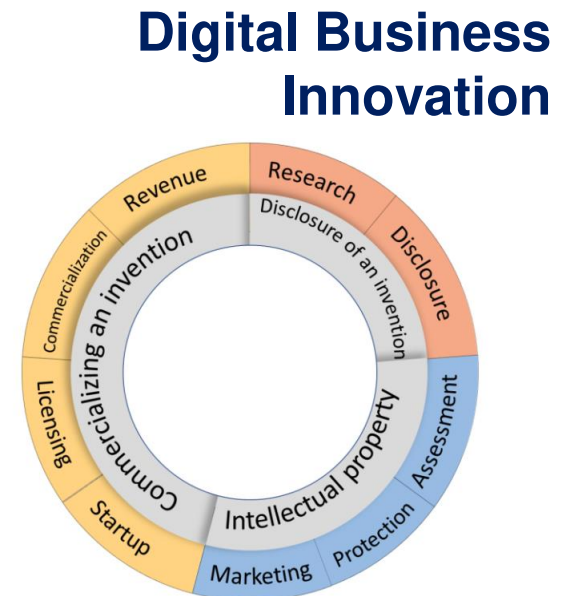
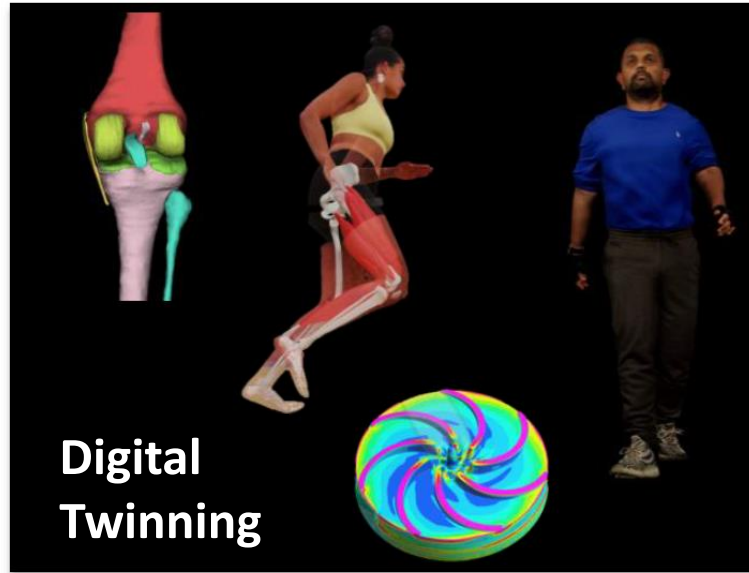
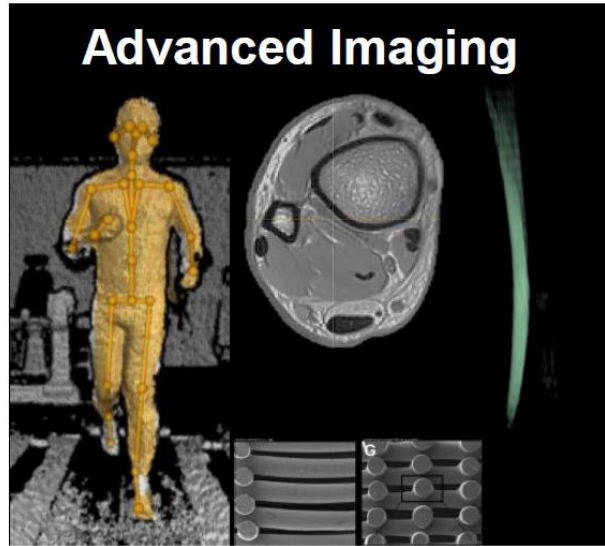
A man in a light blue shirt is kneeling in a workshop, working on a prosthetic arm. A robotic hand is holding a 3D printed prosthetic arm with intricate, golden, lattice-like patterns. The background is a blurred workshop setting with a window and a wire mesh table.

ADVANCED MANUFACTURING

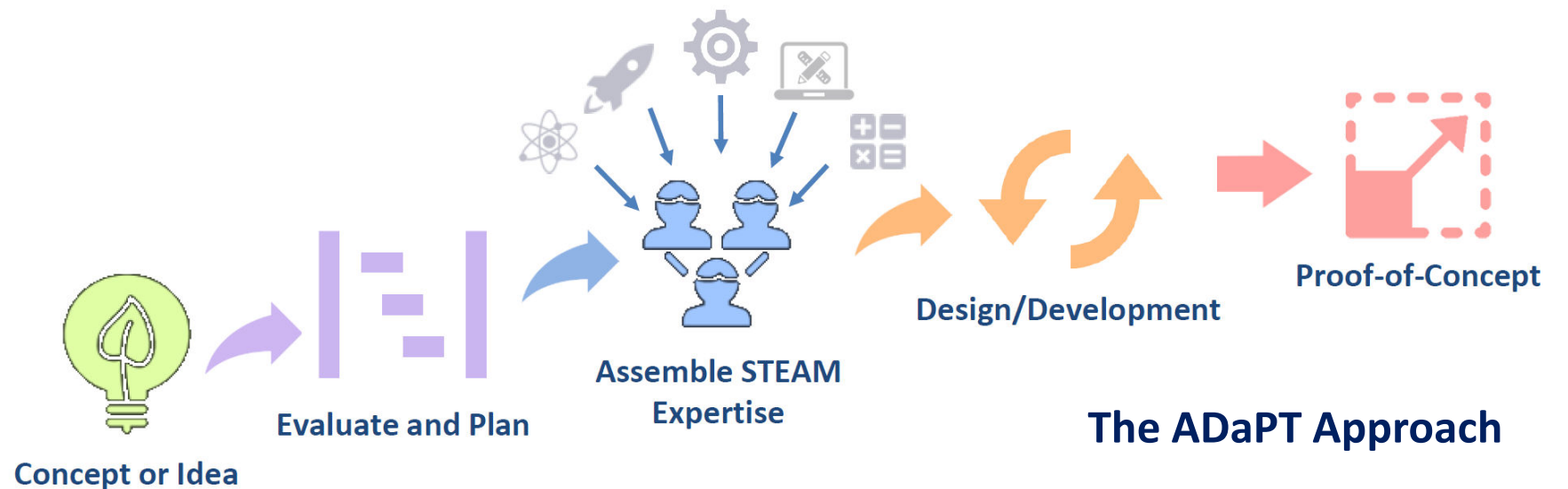
*Providing end-to-end solutions
for manufacturing and design
problems using the extensive
resources of Griffith University*

ADaPT CAPABILITIES



EDUCATION AND TRAINING

- Disruptive technology impact
- Sustainability and strategic development
- Engineering for AM
- Digital manufacturing
- Industrial design
- Fabrication



RESEARCH EXPERTISE

Additive Manufacturing

- Prof Stefanie Feih; Prof Shoujin Sun

Micro- and nanotechnology

- Prof Nam-Trung Nguyen; Prof Dzung Dao; Prof Sima Dimitrijevic

Materials Development

- A/Prof Wayne Hall ; A/Prof Hassan Karampour

AI; Machine learning; Data management

- Prof Alan Liew; Prof Yongsheng Gao; A/Prof Andrew Busch

Strategic digital business innovation; Organizational management

- Prof Jennifer Loy; Prof Paula Brough ; A/Prof Nagesh Shukla; A/Prof Luke Houghton

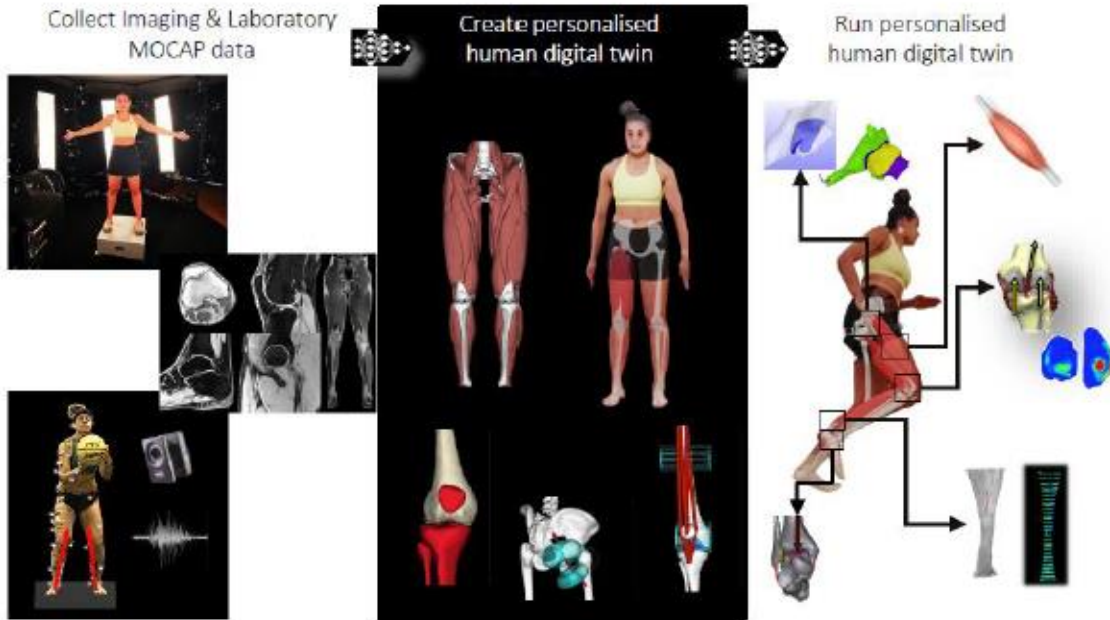
Education; Training; Specialist coursework

- Prof Rosalind Archer; Prof Sharyn Rundle-Thiele

Biomedical engineering; Biomechanical engineering

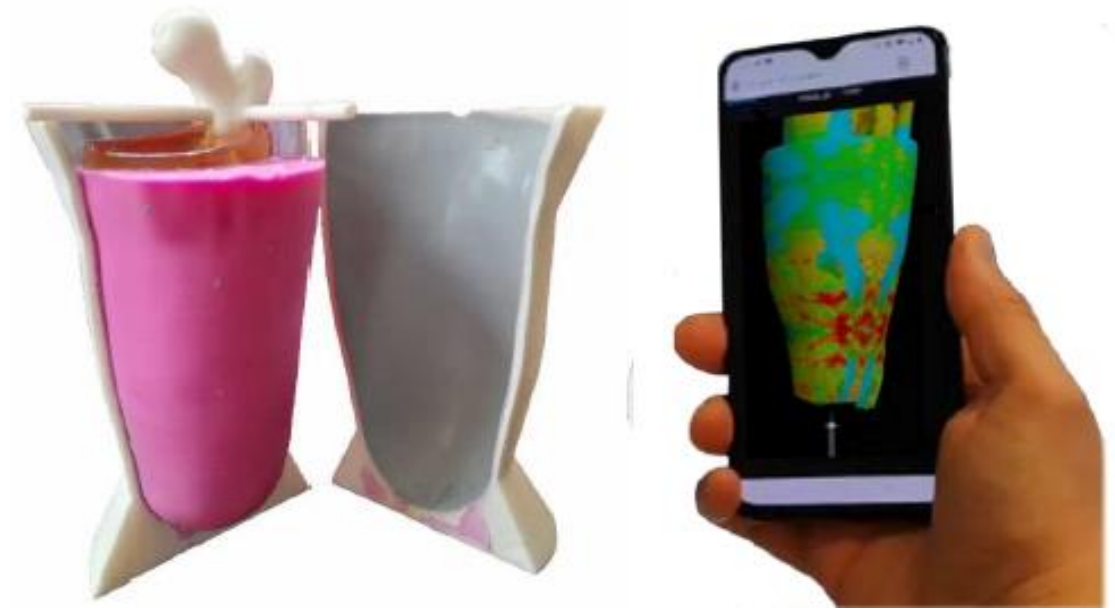
- Prof Yin Xiao; Prof David Lloyd; A/Prof David Saxby; A/Prof Michael Simmonds

DIGITAL TWINNING



- Image collection
- Model creation
- Model analysis
- Projects funded by various sources (NHMRC grants, ARC grants, Motor Accident Insurance Commission, etc.)

MATERIALS DEVELOPMENT



- Materials development & testing
- Physical twin prototype design
- Research funded by NHMRC, US Department of Defense

**INDUSTRY ENGAGEMENT
GILMOUR SPACE TECHNOLOGIES**



- Carbon fibre filament winding
- Cryogenic material characterization
- Prototype delivery and testing
- Project funded by CRC-P grant



**INDUSTRY ENGAGEMENT
QUEENSLAND HEALTH**



- Image segmentation & model creation
- Virtual planning & optimisation
- Additive manufacturing
- >35 surgeries completed



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