Future Learn

Certificate of Achievement

Matthias Giger

has completed the following course:

INTRODUCING ROBOTICS: ROBOTICS AND SOCIETY

QUEENSLAND UNIVERSITY OF TECHNOLOGY

This short course explored the current and future connection between robotics and society. Participants learnt how robots are used today and explored how they might be applied to help solve the big issues of our time.

3 weeks, 3 hours per week

Peter Corke
Professor of Robotic Vision and Director of the Australian Centre for Robotic Vision
Queensland University of Technology

QUT

QUT

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has completed the following course:

INTRODUCING ROBOTICS: ROBOTICS AND SOCIETY
QUEENSLAND UNIVERSITY OF TECHNOLOGY

This course started with society's attitudes towards robotics based on beliefs formed through fiction. Participants then viewed different types of robots in use today, which led to a discussion of future applications. This course challenged participants to discuss the ethical, privacy and safety considerations of using robots. Participants then learnt how robotics is being applied to help solve key issues facing our world: food production, ageing populations, transport, and environmental change.

STUDY REQUIREMENT
3 weeks, 3 hours per week

LEARNING OUTCOMES
- Explain what robots are and what they can do
- Discuss the ethical considerations of using robots to help solve societal challenges
- Reflect on the future role and development of robotics in human society

SYLLABUS
- The importance of robotics as a field
- How ideas and attitudes towards robots have formed from fiction
- Defining a real robot
- How different types of robots are being applied today
- Ethical, privacy and safety considerations of using robotics
- Predicting the role of robots in future work
- How robotics might be applied to help solve society's big challenges: food production, ageing populations, transport and environmental change

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