REDSSA SEMINAR:

ARTIFICIAL INTELLIGENCE IN HEALTHCARE AND RESEARCH

OCTOBER 2022

REDSSA
Research for Ethical Data Science
in sub-Saharan Africa

FRIDAY 28TH OCTOBER 2022

09:00 – 09:15   Welcome and Introduction

Prof. Keymanthri Moodley: Center for Medical Ethics and Law Stellenbosch University

A/Prof. Stuart Rennie: Centre for Bioethics, University of North Carolina, Chapel Hill

PLENARY SESSION 1: **ROBOTICS IN HEALTHCARE AND RESEARCH**

Chair: Prof. Keymanthri Moodley

09:15 – 09:35   Dr Tim Forgan – The Da Vinci Xi Robot: Augmenting Complex Surgery

09:35 – 09:55   Dr Usha Lalla and Dr Kerry Louw – The Role of Robotics in ICU During the COVID-19 Pandemic

09:55 – 10:10   Prof. Bruce Watson – Governance Challenges with AI in Healthcare

10:10 – 11:00   Panel Discussion

TEA: 11:00 – 11:30

PLENARY SESSION 2: **LEGAL AND REGULATORY CHALLENGES OF ARTIFICIAL INTELLIGENCE IN HEALTHCARE**

Chair: A/Prof. Sharon Kling

11:30 – 11:45   Prof. Annelize McKay – The Recalcitrant Robot: Legal Liability in Robotic Surgery

11:45 – 12:00   Dr Dirk Brand – Setting Standards for the Use of AI in Healthcare

12:00 – 12:15   Prof. Jerome Singh – The Use of AI in Health Research: Ethics and Regulatory Considerations

12:15 – 12:30   Prof. Marc Blockman – Thoughts on Device Regulation

12:30 – 13:15   Panel Discussion

LUNCH: 13:15 – 14:15

PLENARY SESSION 3: **ETHICS AND GOVERNANCE OF ARTIFICIAL INTELLIGENCE FOR HEALTH**

Chair: Prof. Kanshukan Rajaratnam

14:15 – 14:30   Dr Sergio Litewka – Key Elements of the WHO Guidelines on Ethics and Governance of AI

14:30 – 14:45   Dr Agata Ferretti – Data Biases and Ethical Implications for AI in Healthcare

14:45 – 15:00   A/Prof. Wim Delva – Interpretable, Explainable and Equitable AI: Obvious, Utopian or Unfair?

15:00 – 15:45   Panel Discussion

CLOSING REMARKS: 15:45 – 16:00

Prof. Keymanthri Moodley

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