

## ***Brief Resume***

Professor Arthur G.O. Mutambara is the Director and Full Professor of the Institute for the Future of Knowledge (IFK) at the University of Johannesburg (UJ) in South Africa. He is a world-renowned roboticist, academic, author, Pan-Africanist and technology strategist. Professor Mutambara is also the Director of IFK's Decentralised Artificial Intelligence and Control Systems (DAICS) Research Group and drives the African Agency in Public Health (AAPH) initiative within the Future of Health (FoH) Research Group. He teaches Control Systems in UJ's Mechanical Engineering and Electrical and Electronic Engineering Departments. He has taught Controls Systems at MIT Aeronautics Astronautics Department (Course 16) and FAMU-FSU College of Engineering, both in the United States.

Professor Mutambara is the Former Deputy Prime Minister of Zimbabwe. Mutambara was one of the three Principals who created and led the Government of National Unity (GNU) from 2009 to 2013. The other two were the late former Prime Minister Morgan Tsvangirai and the late former President Robert Mugabe. As the Deputy Prime Minister, his key functions included assisting the Prime Minister in policy formulation by the Cabinet and supervision of policy implementation by the Council of Ministers. He also specifically supervised the Ministries under the Infrastructure Cluster, such as Energy and Power Development, Transport and Infrastructure, Information Communication Technologies, Water Resources and Development, and Public Works. Professor Mutambara coordinated regional policy formulation within these sectors across SADC and COMESA. Furthermore, DPM Mutambara was in charge of driving three critical national efforts of the GNU: the development of a Shared National Vision, the Rebranding of Zimbabwe and the formulation of a National Infrastructure Master Plan.

Professor Mutambara is a distinguished public intellectual across the African continent and globally, where he has conducted presentations on leadership, management, business and engineering, in addition to motivational speeches and seminars. In the United States, Mutambara was a Research Scientist at the National Aeronautics and Space Administration (NASA), Visiting Professor at the Massachusetts Institute of Technology (MIT), a Visiting Research Professor at the Carnegie Mellon University's Robotics Institute, and a Professor at the Florida Agricultural and Mechanical University – Florida State University (FAMU-FSU) College of Engineering. In his academic research and teaching, he has received outstanding reviews and praise from students and peers worldwide. Professor Mutambara was also a Management Consultant with McKinsey & Company in Chicago and the Director of Electronic Payments at Standard Bank in South Africa.

He is a Chartered Engineer, a Fellow of the Institution of Engineering and Technology (IET), a Professional Engineer, a Fellow of the Zimbabwe Institution of Engineers (ZIE), a Fellow of the Zimbabwe Academy of Sciences (ZAS), and a Senior Member of the Institute of Electrical and Electronics

Engineers (IEEE). In addition to the three volumes on *Thought Leadership*, Mutambara has written two electrical engineering books widely used in engineering graduate schools in the United States, Europe, China, Japan and Africa: *Decentralized Estimation and Control for Multisensor Systems (1998)*, and *Design and Analysis of Control Systems (1999)*. Prof. Mutambara holds a PhD in Robotics and Mechatronics, and an MSc in Computer Engineering, both from the University of Oxford. He was there as a Rhodes Scholar from September 1991 to March 1995. He graduated with a BSc (Honours) in Electrical Engineering from the University of Zimbabwe in 1990. In 2007, Mutambara was accorded the World Economic Forum (WEF) Young Global Leader status and subsequently attended WEF events from 2007 to 2013 in Davos (Switzerland), China, India and Africa.