

Popularisation of Science and Technology Education: Some Case Studies from Africa

Edited by Mike Savage and Peter Nkomo



Popularisation Of Science And Technology Some Case Studies From Africa

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Honeyman, Susan M. Stocklmeyer**



Popularisation Of Science And Technology Some Case Studies From Africa:

Popularisation of Science and Technology Education Commonwealth Secretariat, 2002 Through country case studies centred around Sub Saharan Africa this book provides critical insights into why science and technology should be popularised what and whose science and technology systems should be introduced and promoted and how science and technology should be implemented and practised Universities as Centres of Research and Knowledge Creation: An Endangered Species? ,2008-01-01 Today unprecedented emphasis is being placed on research as key motor for advancing the knowledge society and its offspring the knowledge economy Consequently research on the state of research has moved high on the priority agendas for governments for their specialized agencies and bodies devoted to this area and for higher education institutions Against this background the central premise of the 2006 Global Colloquium of the UNESCO Forum for Higher Education Research and Knowledge Universities as Centres of Research and Knowledge Creation An Endangered Species was that research is a key ingredient in the institutional identity of universities and an indispensable prerequisite for a successful programme of teaching and public service Based on contributions to this Colloquium authors from twenty countries from all regions of the world analyse aspects related to the research function of universities This book primarily addresses the variety and gaps in higher education across the globe concentrating on the challenges to transitional and developing countries It addresses the related issues of research capacity research productivity and research relevance and utility Research capacity appears as a necessary but not sufficient condition for research productivity and research productivity must be assessed in terms of utility and relevance This volume provides a global range of insights both for policy makers and for higher education and research communities The Square Kilometre Array Richard T. Schilizzi, Ronald D. Ekers, Peter E. Dewdney, Philip Crosby, 2024-06-21 The Square Kilometre Array SKA is a grand vision project to build the most sensitive radio telescope in the world This open access book tells the story of its development a story of transformational science innovative engineering and global collaboration Its journey has been long and complex reflecting the many issues faced in creating an affordable design choosing a site and developing a viable global organisation starting from a simple working group of far sighted and persistent astronomers in 1993 The book begins with the emergence of the SKA concept and the first working group It traces the development of global scientific and engineering collaborations and ever more comprehensive governance structures for the SKA the involvement and roles of funding agencies and governments and the long political site selection process This occurred alongside efforts to overcome technical barriers and the difficult process of selecting technology It follows these themes up to the point in 2012 when the project had just transitioned from a collaboration to a legal entity and the dual site decision was made a pivotal moment when it was clear the SKA arrays would be built The book is based on the authors personal experience at the leading edge of the project over many years as well as access to hitherto unpublished material from project archives interviews and presentations from many of the key players at a

specialy convened conference It has a Foreword written by John Womersley former Chair of the Agencies SKA Group and SKA Organisation Board The book is intended for an audience ranging from funding agencies and governments involved in major research infrastructures to historians of science and professional researchers studying mega projects to the astronomy and physics communities in general and interested lay readers African Business ,2003 *Engineering*

Unesco,2010-01-01 This report reviews engineering s importance to human economic social and cultural development and in addressing the UN Millennium Development Goals Engineering tends to be viewed as a national issue but engineering knowledge companies conferences and journals all demonstrate that it is as international as science The report reviews the role of engineering in development and covers issues including poverty reduction sustainable development climate change mitigation and adaptation It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering promote better understanding of engineering and its role and highlight ways of making engineering more attractive to young people especially women Publisher s description Education in the Commonwealth

Lalage J. Bown,2003 This book explores the changes and developments which have affected education within the Commonwealth over the years As the Secretary General notes The Commonwealth has a strong record and tradition of co operation in education encompassing articulation of values exchange of ideas and direct learning from each other This book is a reminder of that record and tradition and offers a refreshing kaleidoscope of Commonwealth educational action

Using Museums to Popularise Science and Technology Sharyn Errington,Brenton Honeyman,Susan M. Stocklmeyer,2001 Museums of all sorts and science centres offer excellent opportunities in popularising science and technology to achieve scientific and technological literacy Science and technology educators and teachers will particularly find this book useful in determining how they could use those facilities effectively in making teaching science and technology enjoyable and contextual The museum curators and science centres on the other hand will be able to use the book to assist teachers in their efforts to bring relevance and fun in the learning of these subjects **Current Awareness Bulletin** ,2003 **The Little Black Book** ,2005 *International Journal for the Study of Southern African Literature and Languages* ,2006

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