



AIMS | African Institute for
Mathematical Sciences
NEXT EINSTEIN INITIATIVE

AIMS:

Driving African Scientific Excellence

Audrey Namdiero-Walsh

European Operations Director
27 November 2018

AIMS-Building a comprehensive ecosystem of socio-economic transformation

- Innovative Scientific Training (Human Capital Development)

- Technical Advances and Breakthrough Discoveries

- Strategic Foresight & Innovative Policy Design



Use of technology to address grand challenges in Africa

Home-grown knowledge disrupting traditional financial models

MOBILE MONEY TRANSFERS :

1. Conceived in Kenya
2. Piloted in Kenya
3. Demonstrated
4. Deployed across the Continent & exported to Europe, the Americas, India etc.



How can African enterprises and governments take full advantage of new digital opportunities?

Building operational roadmaps to guide future strategic decisions



Validation workshop planned for March 2019

Innovative Scientific Training

New Program at AIMS African Masters in Machine Learning



AIMS | African Institute for
Mathematical Sciences

NEXT EINSTEIN INITIATIVE

Building a Community of Scientists and creating a culture of role models

NEF FELLOWS 2015 - 2017

FinTech
Agriculture
Energy & Green Growth



NEF FELLOWS 2017 - 2019

Precision Health
Cyber Security
AI & Machine Learning



Motivating the young generation to pursue STEM studies

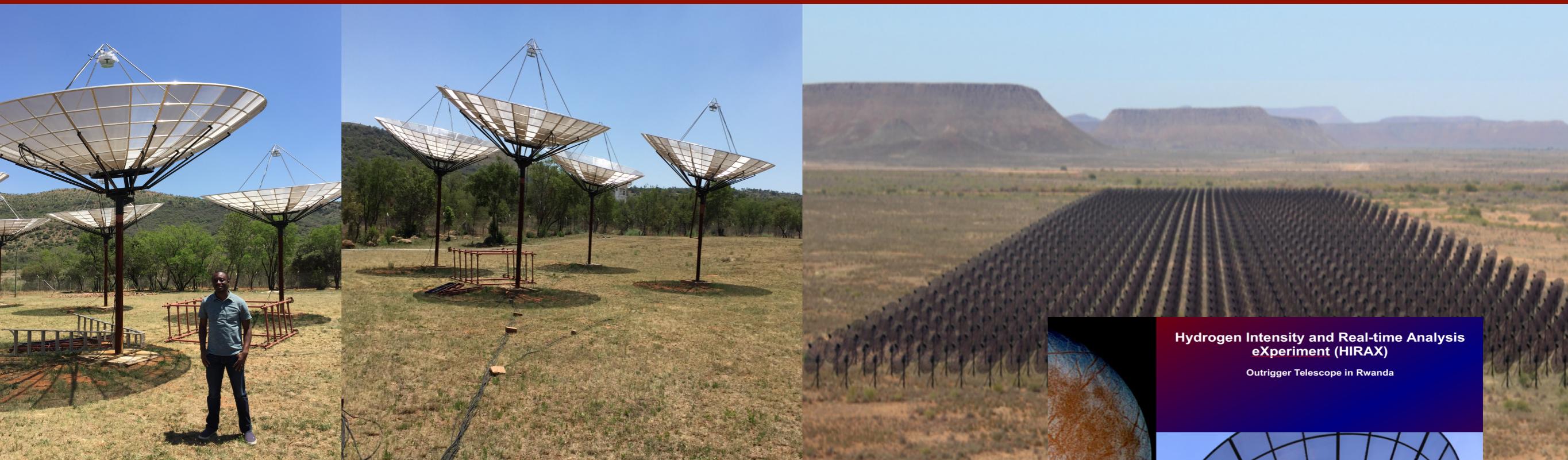


**NEF Africa
Science Week**
Igniting the
Power of Science

Happening in 35 Countries between
September and December 2018

<https://www.youtube.com/watch?v=ZQ0CpVYDBDk>

Engage in solving critical problems of development through cutting-edge research



- **Data science,**
- **Smart systems engineering**
- **Quantum information science and technology**

Unlock Africa's “frozen” scientific knowledge



Take Home Message

Indigenous or home-grown knowledge is foundational to innovation in Africa

Indigenous knowledge must be recognized in formal and non-formal education & research in Africa



DOUBLE-TRACK TO INNOVATION

Track 1: **HOME-GROWN** knowledge-based innovation

Track 2: **SCIENTIFIC** knowledge-based innovation



NEXT EINSTEIN FORUM

An  AIMS initiative in partnership with the



 Next Einstein Forum

 @NextEinsteinFor

 Next Einstein Forum

 Next Einstein Forum

 NEF Next Einstein Forum

 NextEinsteinForum

nef.org



AIMS

African Institute for
Mathematical Sciences
NEXT EINSTEIN INITIATIVE

 AIMS Next Einstein Initiative

 @AIMS_Next

 AIMS Next Einstein Initiative

 AIMS Next Einstein Initiative

nexteinstein.org
aims-ammi.com



QUANTUM LEAP AFRICA

 Quantum Leap Africa

 @QL_Africa @Sciaf_NEF

 Quantum Leap Africa

quantumleapafrica.org

