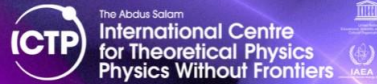


PHYSICS WITHOUT FRONTIERS: ZIMBABWE

Synchrotron Physics and X-ray Imaging Techniques Roadshow

18 - 27 October 2023

<https://indico.ictp.it/event/10442/overview>



The roadshow will bring experts in the field of Synchrotron Physics and X-ray Imaging Techniques to five universities across Zimbabwe.

Lectures and discussions will be held on topics including synchrotron physics, materials science with radioactive isotopes at ISOLDE - CERN, computed tomography, diffraction contrast tomography, ptychography and the applications of x-ray imaging techniques in materials science, geosciences, anatomical sciences, and palaeontology.

Wednesday 18 October 2023: Harare Institute of Technology

Friday 20 October 2023: University of Zimbabwe

Monday 23 October 2023: Chinhoyi University of Technology

Wednesday 25 October 2023: Midlands State University

Friday 27 October 2023: National University of Science and Technology

SPEAKERS:

Kudakwashe Jakata, The Diamond Light Source, UK

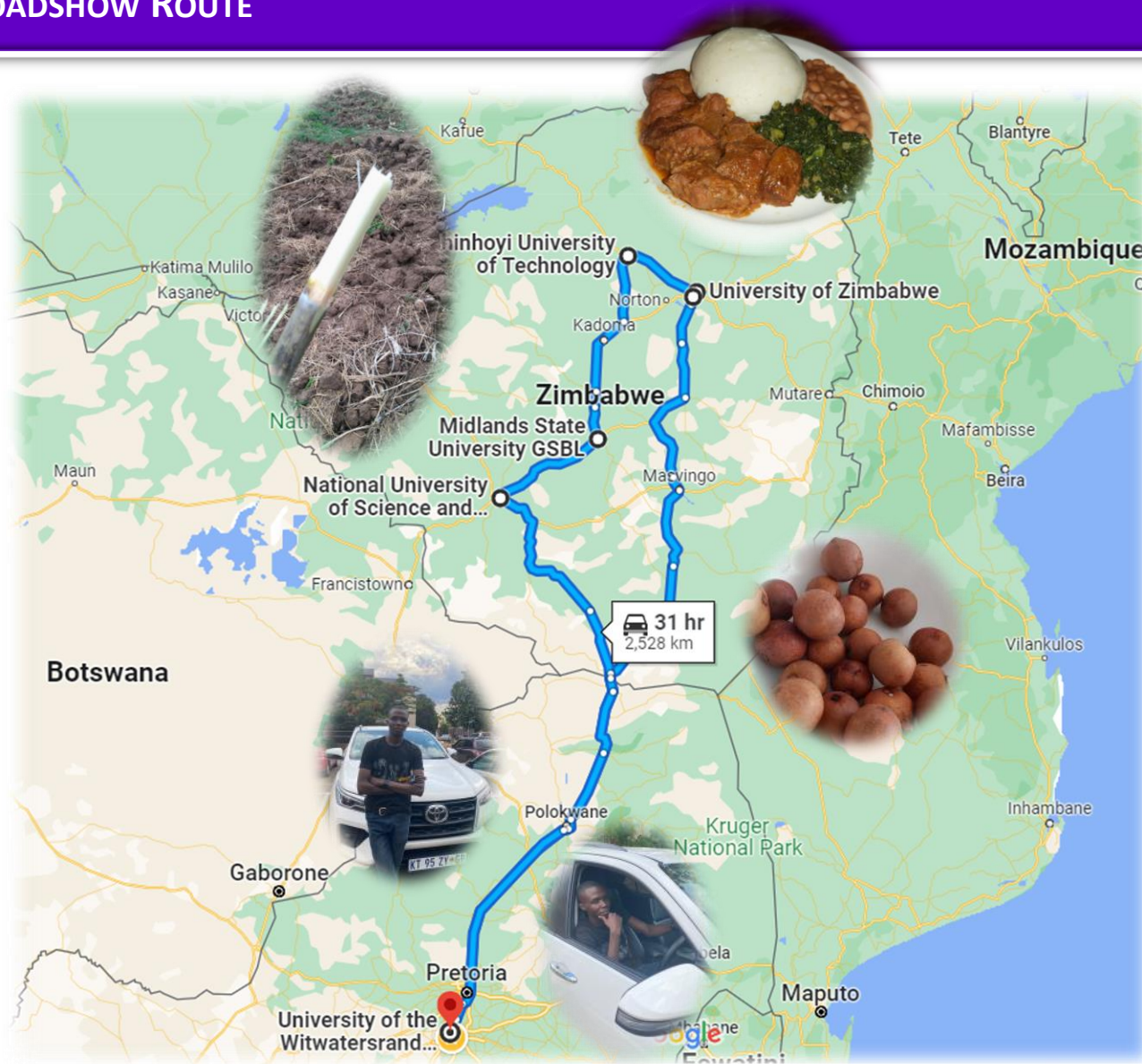
Hilary Masenda, School of Physics, University of the Witwatersrand

Gideon Chinamatira, Evolutionary Studies Institute and School of Physics, University of the Witwatersrand



- Inform undergraduate and postgraduate students in Zimbabwe on x-ray synchrotrons and their science applications.
- AfLS 2024 Conference.
- Discuss the AfLS with senior university personnel get the message across to the government.





Johannesburg to Harare

Harare to Chinhoyi

Chinhoyi to Gweru

Gweru to Bulawayo

Bulawayo to Johannesburg

**Total driving distance – about
3 200 km**

- Well-attended seminars with about 350 participants registered.
- Had meetings with senior institution personnel and discussed the AfLS and the message will be transmitted to the government.
- Request for a follow-up school/seminar and to form a group that will work on a synchrotron-related project.



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A: Roadshow

- Electricity cut-offs at some venues.
- Program cut short at two institutions.

B: Research Challenges

- Limited research equipment leading up to the use of or need for advanced light sources.
- Funding for MSc positions in the country.

SOCIAL MEDIA POSTS



The Abdus Salam
International Centre
for Theoretical Physics
Physics Without Frontiers



Gideon Chinamatira (CPhys) · 1st
PhD Candidate in X-ray CT | MSc Applied Physics (Medical Physics) | Phase c...
1mo · Edited ·

Day 1 - ICTP-Physics Without Frontiers-Zimbabwe at Harare Institute of Technology with Kudakwashe Jakata and Hilary Masenda, Abdus Salam International Centre for Theoretical Physics (ICTP) , Diamond Light Source ,Lightsources.org, IsoldaCERN.

You and 116 others · 5 comments · 3 reposts

Reactions

Like Comment Repost Send

Add a comment...

11:29

← Post

You reposted

ICTP PWF @ictpPWF Follow

Day 3 of the @ictpPWF Zimbabwe Roadshow at Chinhoyi University of Technology!
PWF volunteers Kudakwashe Jakata, Hilary Masenda, and Gideon Chinamatira are travelling around Zimbabwe providing training to physics students in Synchrotron Physics and X-ray Imaging Techniques!

You and 8 others · 11:55 · 27 Oct 23 · 340 Views

2 Reposts 5 Likes

Post your reply

11:30

← Liked by Kate Shaw

You reposted

Diamond Light Source @Dia... · 11 Oct

We are proud to highlight this fantastic technical roadshow, featuring #SynchrotronScience on Tour! Diamond scientist @kuda05 (alongside colleagues @HilaryMasenda @Numero_Uno01) will be visiting 5 institutions in 4 cities across #Zimbabwe, showcasing opportunities in #XrayImaging

lightsources.org @lightso... · 11 Oct

Hugely excited and delighted to be supporting @kuda05 and colleagues with their upcoming Physics Without Frontiers tour of universities across #Zimbabwe. Teaching students abou...
Show this thread

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Gideon Chinamatira, Evolutionary Studies Institute and School of Physics, University of



X-ray Visions: Experts Gather at MSU for Discussion on Cutting-Edge Imaging Techniques

Home / News, Research News / X-ray Visions: Experts Gather at MSU for Discussion on Cutting-Edge Imaging Techniques



- Notices
- VIVA NOTICE: DISSERTATION ORAL PRESENTATIONS FOR MANAGEMENT SCIENCES DEPARTMENT FOR SEPT-DEC 2023 SEMESTER
 - HARARE WEEKEND LECTURES 17 TO 19 NOVEMBER 2023
 - WEEKEND LECTURES 10 TO 12 NOVEMBER 2023
 - Notice for practical exams for monitoring and evaluation
 - Graduate School of Business Leadership Block Dates

Gideon Chinamatira (CPhys) • 1st
PhD Candidate in X-ray CT | MSc Applied Physics (Medical Physics) | Phas...
Timo •

Day 4 of the ICTP-Physics Without Frontiers- Zimbabwe Roadshow was held at Midlands State University on Wednesday 25 October 2023 with Kudakwashe Jakata and Hilary Masenda, supported by Abdus Salam International Centre for Theoretical Physics (ICTP), Diamond Light Source, Lightsources.org ISOLEatCERN.

Hilary Masenda and 31 others 1 comment

Like Comment Repost Send

Add a comment...

- Identified a student for a possible PhD.
- Two samples for a research project using synchrotron imaging.
- Students interested in MSc related to advanced light sources.
- Collaborative projects to be undertaken.



Thank you !!!

