

African Underground Science Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Monday 8 September 2025 08:00 (1 hour)

Contribution ID: 2

Type: **not specified**

Welcoming and Introductions

Monday 8 September 2025 09:00 (30 minutes)

Co-author: Prof. FIELDING, Bertrum (Stellenbosch University)

Presenters: Prof. FIELDING, Bertrum (Stellenbosch University); Prof. WYNGAARDT, Shaun (Stellenbosch University)

Contribution ID: 3

Type: **not specified**

The story of the Paarl Africa underground Laboratory

Monday 8 September 2025 10:00 (45 minutes)

Presenter: Prof. WYNGAARDT, Shaun Metzler (Stellenbosch University)

Contribution ID: 4

Type: **not specified**

Department of Science Technology and Innovation

Monday 8 September 2025 09:30 (30 minutes)

Presenter: Mr NEMAUNGANI, Takalani (DSTI)

Contribution ID: 5

Type: **not specified**

The Upgrade to the Huguenot tunnel

Monday 8 September 2025 11:30 (45 minutes)

Presenter: Mr MASSINGUE, Tiago (SANRAL)

Contribution ID: 6

Type: **not specified**

Report on the recent measurement at the Huguenot Tunnel

Monday 8 September 2025 12:15 (30 minutes)

Presenter: Dr VAN ZYL, JJ (Stellenbosch University)

Contribution ID: 7

Type: **not specified**

Muography simulation at the Huguenot tunnel

Thursday 11 September 2025 09:00 (45 minutes)

Presenter: Mr JONKER, Stephanus (Stellenbosch University)

Contribution ID: 8

Type: **not specified**

Applications of Few Body Physics methods in Astrophysics

Thursday 11 September 2025 09:45 (45 minutes)

Presenter: Prof. LEKALA, Mantile (UNISA)

Contribution ID: 9

Type: **not specified**

What cells do in the shadows

Monday 8 September 2025 15:30 (30 minutes)

Presenter: Dr FISCHER, Randall (iThemba LABS)

Contribution ID: **10**

Type: **not specified**

The Botswana Center for Nuclear Science and Technology

Tuesday 9 September 2025 11:30 (45 minutes)

Presenter: Prof. HILLHOUSE, Gregory (BIUST)

Contribution ID: **11**

Type: **not specified**

Investigations related to the physics of neutrinos: A UWC prespective

Tuesday 9 September 2025 12:15 (30 minutes)

Presenter: Prof. TRIAMBAK, Smarajit (UWC)

Contribution ID: 12

Type: **not specified**

Human DNA repair following Gamma-Ray irradiation - Measurements and Modelling

Tuesday 9 September 2025 09:00 (45 minutes)

Presenter: Ms BAILEY, Tarryn (Stellenbosch University)

Contribution ID: 13

Type: **not specified**

Radon and Gamma Measurements in the Tunnel

Tuesday 9 September 2025 09:45 (45 minutes)

Presenter: Prof. LINDSAY, Robert (UWC)

Contribution ID: 14

Type: **not specified**

Free day

Wednesday 10 September 2025 09:00 (7 hours)

Contribution ID: 15

Type: **not specified**

Physics Department Open Day and Public Lecture

Wednesday 10 September 2025 16:00 (3 hours)

Contribution ID: **16**

Type: **not specified**

Technical Design aspects behind the PAUL facility

Tuesday 9 September 2025 14:30 (45 minutes)

Presenter: Ms LE ROUX ARIES, Amory (SKAO)

Contribution ID: 17

Type: **not specified**

Applications of AI technology in Underground facilities

Author: Dr BUCKTON, Calib (Stellenbosch University)

Presenters: Dr BUCKTON, Calib (Stellenbosch University); Dr NKADIMENG, Edward (iThemba LABS)

Contribution ID: **18**

Type: **not specified**

Design and Study report for the PAUL facility

Tuesday 9 September 2025 15:15 (45 minutes)

Presenter: Mr WARREN-CODRINGTON, Charles (SMEC)

Contribution ID: **19**

Type: **not specified**

Application pf AI technologies in Underground facilities

Author: Dr BUCKTON, Calib (Stellenbosch University)

Presenters: Dr BUCKTON, Calib (Stellenbosch University); Dr NKADIMENG, Edward (iThemba LABS)

Contribution ID: 20

Type: **not specified**

Application of AI technologies in Underground facilities

Tuesday 9 September 2025 10:30 (30 minutes)

Presenters: Dr BUCKTON, Calib (Stellenbosch University); Dr NKADIMENG, Edward (iThemba LABS)

Contribution ID: 21

Type: **not specified**

Entangled in a Web of Science. Are we friends or foes?

Monday 8 September 2025 14:00 (30 minutes)

Presenter: Mrs WYNGAARDT, Allison (Stellenbosch University)

Contribution ID: 22

Type: **not specified**

The Community outreach at the SAAO

Thursday 11 September 2025 10:30 (30 minutes)

Presenter: Dr TAKALANA, Charles (SAAO)

Contribution ID: 23

Type: **not specified**

Science and the Media

Thursday 11 September 2025 11:45 (30 minutes)

Presenter: Ms FOURIE-BASSON, Wiida (Stellenbosch University)

Contribution ID: 24

Type: **not specified**

Discussion and Reflection

Thursday 11 September 2025 12:15 (45 minutes)

Contribution ID: 25

Type: **not specified**

Visit to the Huguenot tunnel

Contribution ID: 26

Type: **not specified**

Visit to the Huguenot tunnel

Friday 12 September 2025 08:00 (4 hours)

Contribution ID: 27

Type: **not specified**

Social sciences in a physics project: special guest or troublemaker ?

Monday 8 September 2025 14:30 (30 minutes)

Presenter: Dr VIDAL, Laurent (CNRS (South Africa))