

## WA - INTERNATIONAL MICROSCOPY

### WORKSHOP PROGRAM

| DAY-1         | MONDAY, 9 <sup>th</sup> of MAY, 2022                        |                        |                      |
|---------------|-------------------------------------------------------------|------------------------|----------------------|
| TIME SLOTS    | WORKSHOP ACTIVITY                                           | SPEAKER                | SESSION COORDINATOR  |
| 08:00 – 08:30 | Registration                                                | Ms C. Maepa            | Prof R. Genga        |
| 08:30 – 09:40 | Opening Address                                             | Prof T. Majozi         |                      |
|               |                                                             | Dr A. Akwazi Agbleke   |                      |
| 09:40 – 09:50 | MSSA President Address                                      | Dr J. E. Olivier       |                      |
| 10:00 – 10:50 | Sample Preparation Techniques for Life Science Research     | Dr D. Reddy            | Dr J. Wesley - Smith |
| 11:00 – 11:50 |                                                             | SPS                    |                      |
| 12:00 – 12:50 | LUNCH                                                       |                        |                      |
| 13:00 – 13:50 | Sample Preparation Techniques for Material Science Research | Dr A. Janse van Vuuren | Ms C. Maepa          |
| 14:00 – 14:50 |                                                             | SPS                    |                      |

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### WORKSHOP PROGRAM

| DAY-2         | TUESDAY, 10 <sup>th</sup> of MAY, 2022                              |               |                     |
|---------------|---------------------------------------------------------------------|---------------|---------------------|
| TIME SLOTS    | WORKSHOP ACTIVITY                                                   | SPEAKER       | SESSION COORDINATOR |
| 09:00 – 09:50 | Light Microscopy (LM) & Stereomicroscopy (SM)                       | Dr I. Risenga | Dr J. Bester        |
| 10:00 – 10:50 |                                                                     | Separations   |                     |
| 11:00 – 11:50 | Laser Confocal Scanning Microscopy (LCSM) / Fluorescence Microscopy | Dr C. Venter  | Prof C. Gouws       |
| 12:00 – 12:50 | LUNCH                                                               |               |                     |
| 13:00 – 13:50 | Laser Confocal Scanning Microscopy (LCSM) / Fluorescence Microscopy | Separations   | Prof C. Gouws       |
| 14:00 – 15:00 | Atomic Force Microscopy (AFM)                                       | Dr T. Malwela | Dr D. Reddy         |

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## WORKSHOP PROGRAM

| DAY-3         | WEDNESDAY, 11 <sup>th</sup> of MAY, 2022 |                           |                     |
|---------------|------------------------------------------|---------------------------|---------------------|
| TIME SLOTS    | WORKSHOP ACTIVITY                        | SPEAKER                   | SESSION COORDINATOR |
| 9:00 – 9:50   | Scanning Electron Microscopy (SEM)       | Dr J. Wesley - Smith      | Dr P. Mbule         |
| 10:00 – 10:50 |                                          | Zeiss                     |                     |
| 11:00 – 11:50 | MSSA Abstract Submission Discussion      | Dr J. E. Olivier          | Ms C. Maepa         |
| 12:00 – 12:50 | LUNCH                                    |                           |                     |
| 12:00 – 12:50 | Transmission Electron Microscopy (TEM)   | Dr M. Maubane – Nkadimeng | Prof A. Ziegler     |
| 13:00 – 13:50 |                                          | Angstrom                  |                     |

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## WORKSHOP PROGRAM

| DAY-4         | THURSDAY, 12 <sup>th</sup> of MAY, 2021               |                    |                     |
|---------------|-------------------------------------------------------|--------------------|---------------------|
| TIME SLOTS    | WORKSHOP ACTIVITY                                     | SPEAKER            | SESSION COORDINATOR |
| 09:00 – 09:50 | Raman Spectroscopy                                    | Prof R. Erasmus    | Dr D. Reddy         |
| 10:00 – 10:50 | XRD                                                   | Dr C. Lingaliso    | Dr K. Makgopa       |
| 11:00 – 11:50 | UV - VIS                                              | Prof L. N. Dlamini |                     |
| 12:00 – 12:50 | LUNCH                                                 |                    |                     |
| 13:00 – 14:50 | Data Processing Techniques                            | Dr E. Minnaar      | Dr K. Mphalele      |
| 15:00 – 16:00 | Student Participation Prize Giving & Closing Ceremony | Prof R. Genga      | Prof R. Genga       |