

Final Scientific Programme: ISMS XXVIII 5th to 8th August, 2023

Updated on 01/08/2023

Saturday 05/08/2023

10h00: Registration opens with tea / coffee available all day. **Entrance level of Conference Centre**

Exhibitors to set up from mid-morning into the afternoon. **Entrance level of Conference Centre**

11h00: ICSMS Board meeting in Boardroom on Level 1.

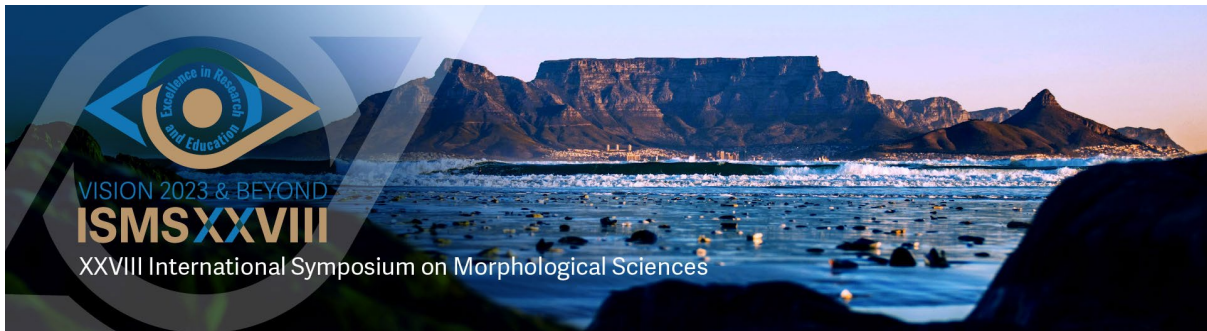
11h30-13h30: ASSA Council meeting in Main Auditorium downstairs.

14h00: IFAA Executive Committee meeting in Boardroom on Level 1.

13h00-13h50: Delegates attending workshops have a light lunch at a nominal charge and go to the respective venues.

14h00-16h30: Parallel sessions of four workshops

- **Education Workshop** – Topic: Innovative and authentic assessments: enhancing assessment practice. This is a face-to-face workshop facilitated by Francois Cilliers (Professor of Health Sciences Education at the Faculty of Health Sciences and in the Academic Development Programme at the Centre for Higher Education Development, University of Cape Town). Discussions will include the following: how to decide if assessments are valid, reliable, authentic and of appropriate standard and integrity; the implications of assessment shifts, e.g., artificial intelligence; analysis of case studies with assessment challenges.
Venue: Main Auditorium downstairs
- **Technical Workshop** – 3-D printing of human remains and teaching material, hands-on experience with 3-D printer, examples of 3-D printed material to view, creating an inventory of specimens, workflow pitfalls, raw materials and techniques, presentation followed by discussions about ethics.
Venue: Level 1 breakaway room 4
- **Forensic Anthropology workshop** – Dr James Pokines (Boston University School of Medicine, USA; Office of the Chief Medical Examiner, USA) – Topic: *The taphonomy of subaerial bone weathering*
Venue: Level 1 breakaway room 5
- **Clinical Anatomy workshop** – imaging specialities: Dr Asif Bagadia (Stellenbosch University, RSA) – Topic: *Ultrasound-guided biopsy*
Venue: Level 1 breakaway room 6



17h00-18h30: **Welcoming and Opening addresses in Main Auditorium downstairs**

Opening Ceremony:

- Introduction by Chair of the Local organising Committee, XXVIII 2023
- Official opening by ICSMS Executive.
- The President of ICSMS and the Secretary General will give a short welcome address.
- Welcome by the President of the Anatomical Society of Southern Africa which is hosting ISMS XXVIII.
- Guest speaker: Dr Itumeleng Molefe (University of Cape Town, RSA)

18h45 onwards: **Cocktail Function at I&J Tank, Two Oceans Aquarium, with thanks to contributions from LearningCurve, Elsevier and G.Fox**

Sunday 06/08/2023

Please note the parallel sessions from 08h00 onwards

Neurosciences and Anatomy Education: Main Auditorium downstairs

Chair: Dr Joshua Davimes assisted by Ms Jessica Garlick and Prof Graham Louw

08h00-09h00: Keynote speaker – Dr Iben Lundgaard (Lund University, Sweden) Brain clearance: The glymphatic system and beyond. #166

09h00-09h15:

Prof Bin Yu (Nantong University, China) 1106 Promoting Axon Regeneration By Inhibiting RNA N6-methyladenosine Demethylase ALKBH5. #106

09h15-09h45:

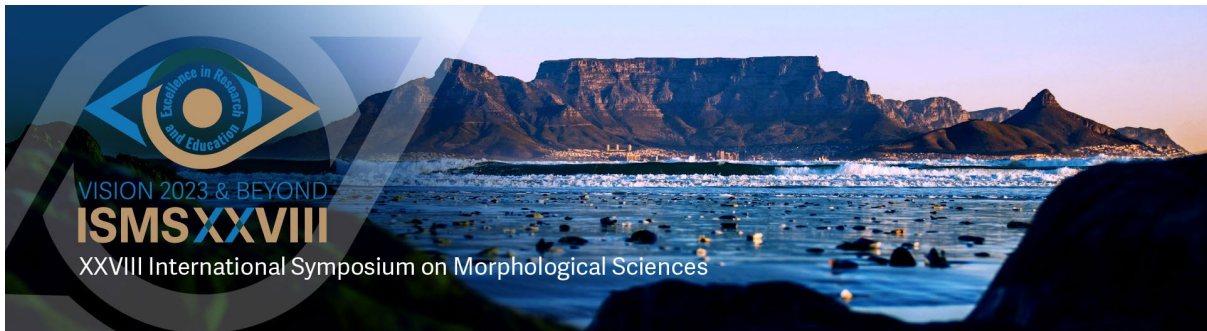
Prof Diogo Pais and Professor Goncalo Neto D’Almeida (Nova Medical School, New University of Lisbon, Portugal) - Body Donation Programme, Preservation techniques and Postgraduate Surgical Training.

09h45-10h00:

Prof Diogo Pais and Dr Maria Bettencourt Pires (Nova Medical School, New University of Lisbon, Portugal) A very rare anatomical variation of the brachioradialis muscle causing radial nerve compression: The “Wartenberg Syndrome”.

10h00-10h30:

Elsevier Education Workshop



Clinical Anatomy: Level 1 flat-floor venue

Chair: Ms Kerri Keet / Dr Francesca du Toit and Dr Kentse Mpolokeng

08h00-08h30:

Keynote speaker: Dr Rohen Harrichandparsad (UKZN, RSA) Ophthalmic artery embryology with review of current literature, anatomical variations and clinical relevance. #69

08h30-08h40:

Ms Patria Hartman (SMHSU, RSA) The prevalence of arterial variations in upper limbs of the South African population. #154

08h40-08h50:

Ms Robyn Lunn-Collier (SU, RSA) Iliac and femoral vessels: dimensions and tortuosity in a South African sample. #14

08h50-09h00:

Mr Daniël van Tonder (Khalifa University, United Arab Emirates) Vascular Anatomy of the Anterolateral Abdominal Wall in Neonates: A Feasibility Study. #49

09h00-09h10:

Asst Prof Hurriyet Cetinok (Istanbul Atlas University, Türkiye) Unexpected double anatomic variation related to common hepatic and left gastric arteries. #85

09h10-09h20:

Mr Jason Wagner (UCT, RSA) The co-existence of anatomical variants in the hepatic arterial supply and biliary tree. #90

09h20-09h30:

Mr Arthur Manjatika (WITS, RSA) Topographical anatomy and clinical implications of the metatarsal diaphyseal nutrient foramina across South African populations. #28

09h30-09h40:

Ms Kerri Keet (SU, RSA) Descending aorta dimensions and tortuosity in a South African sample. #33

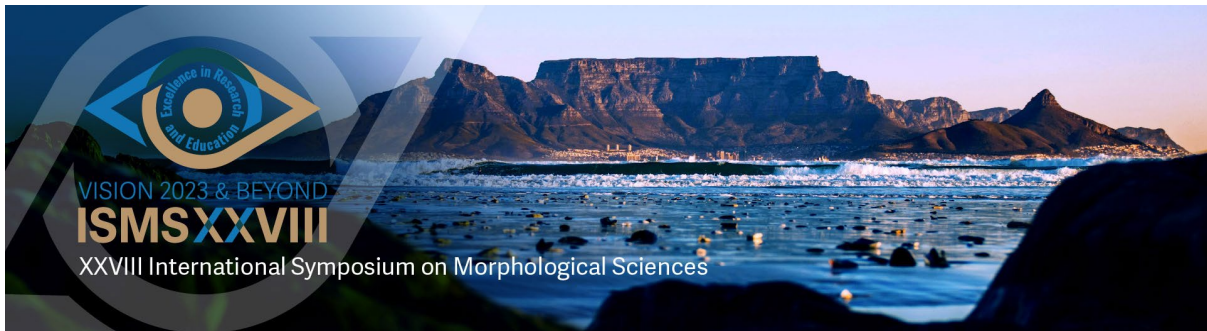
09h40-09h50:

Dr Bukola Omotoso (UKZN, RSA) Non-iatrogenic vascular injuries secondary to traumatic brain injury: A single-centre study. #43

09h50-10h00:

Ms Kirsten Regan (UP, RSA) Anatomical investigation of the transverse dural venous sinuses. #46

10h00-10h30:



Elsevier Education Workshop in Main Auditorium downstairs

10h30-11h00: teatime, exhibitors, networking, with thanks to contributions Elsevier

Clinical Anatomy: Main Auditorium downstairs

Chair: A/Prof Nanette Briers and Ms Bridget Langa

11h00-11h10:

Ms Gugulethu Sibiyi (UKZN, RSA) Anatomical Configurations of the Circle of Willis and its variations. #51

11h10-11h20:

Ms Mbalentle Madolo (UCT, RSA) Anatomical variations of the anterior communicating artery complex in a South African sample. #134

11h20-11h30:

Ms Shavana Govender (WITS, RSA) Facial canal morphometry: A technical report. #54

11h30-11h40:

Ms Matshidiso Mtshali (UP, RSA) An anatomical investigation of the confluence of the sinuses. #102

11h40-11h50:

Dr Lané Prigge (UP, RSA) A cadaveric study on the variations of the ascending pharyngeal artery. #96

11h50-12h00:

Ms Rozelle Nicole Greyling (UP, RSA) Treasured Bodies: An examination of selected fluid-preserved pathology specimens, technical aspects, and perspectives for conservation. #61

12h00-12h10:

Mr Siphelele Nkosi (University of KwaZulu-Natal) – congenital melanocytic nevi: patterns of presentation. #70

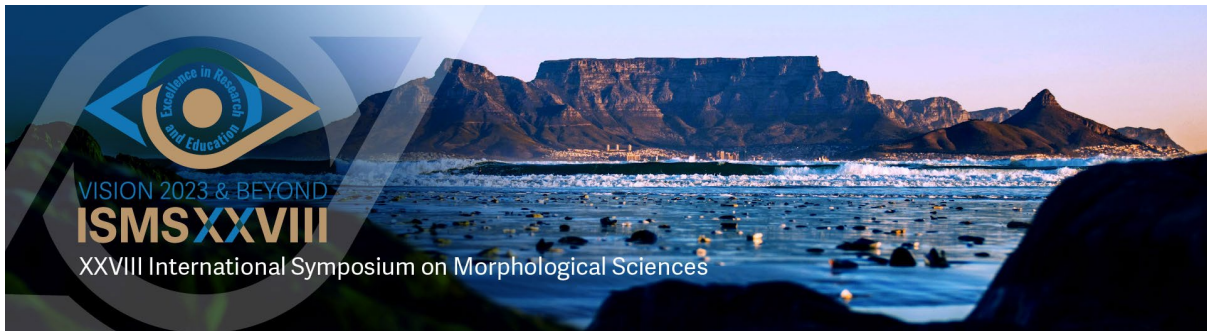
12h10-12h20:

Ms Joraha Khan (SU, RSA) Atypical masses in rat bone tissue: a green Rooibos tomography study. #86

12h20-12h30:

Master Gaolin Zhu (Dalian Medical University, China) Osseous characteristics of tibial attachment site of anterolateral ligament and its significance in Segond fractures. #88

12h30-12h40:



Dr Abdulrahman Mohammad (Sulaiman Alrajhi University, Saudi Arabia) Histomorphometric effect of betel quid with and without tobacco on the liver of adult mice. #94

12h40-12h50:

Ms Kerry-Anne Mac Dermott (SU, RSA) Histochemical properties of the iliocapsularis muscle: Are there implications for hip function? #117

12h50-13h00:

Dr Suvasha Jagesur (UP, RSA) Anthropometric factors and birthing: analysis of routine data taken on South African mothers and babies. #21

13h00-14h00: lunchtime, exhibitors, networking and CONFERENCE GROUP PHOTOGRAPH

Clinical Anatomy: Main Auditorium downstairs

Chair: Dr Mandi Alblas and Dr Mbawe Zulu

14h00-14h10:

Ms Nokubonga Khwela (UKZN, RSA) Breast hypertrophy: Psycho-social well-being of patients before and after breast reduction surgery. #120

14h10-14h20:

Ms Vensuya Bisetty (UKZN, RSA) Analysis of cranial fossae indices in scaphocephaly and its correlation with severity. #99

14h20-14h30:

Ms Courtney Barnes (UKZN, RSA) A morphometric analysis of the metopic indices and orbits in trigonocephaly. #100

14h30-14h40:

Dr Glen Paton (UJ, RSA) Lumbosacral transitional vertebrae: prevalence, morphology and ancestry in a South African population. #101

14h40-14h50:

Dr Rebecca Pratt (Oakland University, USA) A review of new findings in fascial system anatomy. #103

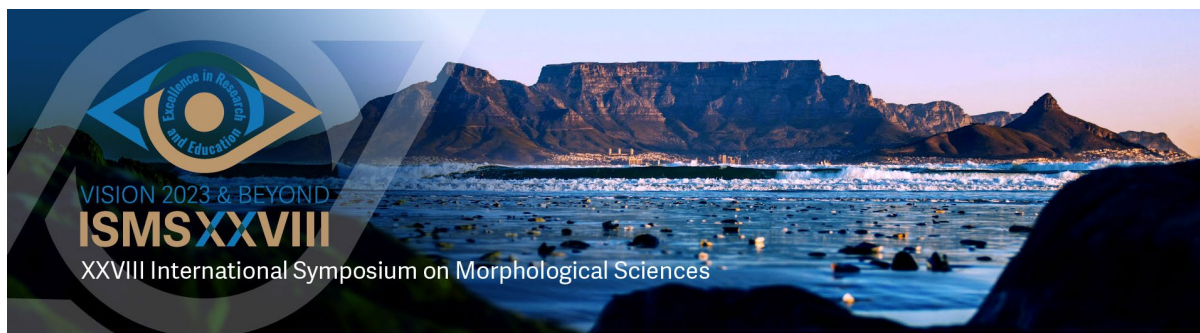
14h50-15h00:

Dr Nkhensani Mogale (UP, RSA) A quantitative approach to imaging seated anatomy of the buttocks and thighs using ultrasound. #161

15h00-15h10:

Mr Siyabonga Lembede (UKZN, RSA) Quality of life of children treated for cleft lip and/or palate. #53

15h10-15h20:



Ms Nivana Mohan (UKZN, RSA) A quantitative analysis of orbital dysmorphology in anterior synostotic plagioccephaly using computed tomography. #98

15h20-15h30:

Mr Okikioluwa Stephen Aladeyelu (UKZN, RSA) Influence of pneumatization on morphology of temporal bone-related vasculatures. #19

15h30-15h40:

Ms Xolisiwe Mhlathi (WITS, RSA) Microarchitecture of the human postnatal maxilla across the stages of the dentition. #25

15h40-15h50:

Ms Ozyl Marufu (WITS, RSA) The prevalence of the clinical implicated brachioradial arterial variant: a South African White cadaveric study. #143

15h50-16h10: G.Fox video followed by Q&A (to be confirmed)

Forensic Anthropology: Level 1 flat-floor venue

Title: Dry bone taphonomy in forensic anthropology and bioarchaeology

Chair: Prof Desiré Brits and Ms Meg-Kyla Erasmus

14h00-14h45:

Keynote speaker: Dr James Pokines (Boston University School of Medicine, USA) Forensic anthropology through a taphonomic lens. #59

14h45-15h00:

Ms Claudia Landsman (WITS, RSA) Assessing the long-term effects of burial on domestic pig remains in the South African Highveld. #119

15h00-15h15:

Mr Adeyemi Adetimehin (UCT, RSA) Incidental observation of bone modification by ants (*Crematogaster cf. liengmei*) in Cape Town, South Africa #107

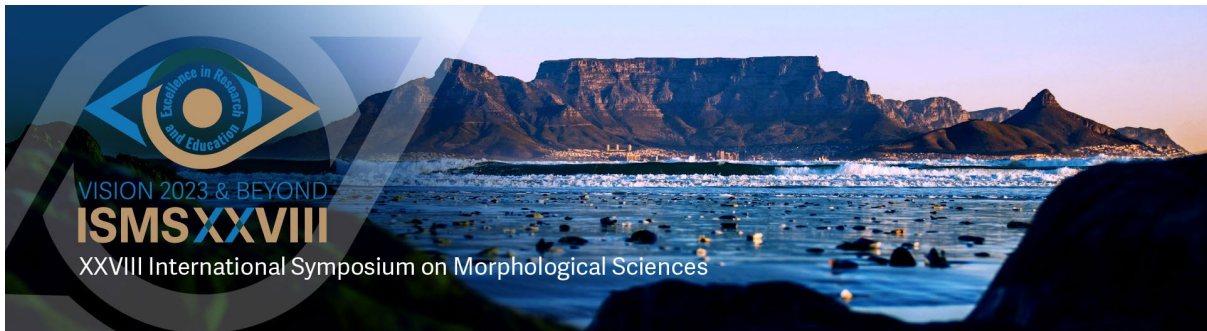
15h15-15h30:

Dr Anja Meyer (WITS, RSA) The bioarchaeology of human skeletal remains recovered from the Wellington Farm, Limpopo Province, South Africa. #140

15h30-15h45:

Ms Athi Baliso (UCT, RSA) Utilising forensic case information to inform taphonomy research in the Western Cape, South Africa. #75

15h45-16h00:



Ms Kamini Pillay (WITS, RSA) The use of Structure-from-Motion and mesh-to-mesh value comparison in dealing with commingled fragmentary remains. #135

16h00-16h30: teatime, exhibitors, networking, with thanks to contributions from G.Fox.

Venue: Main Auditorium downstairs

16h30-16h45: Dr Han-Sun Jung acting for International Affairs for IFAA 2024 in Korea: information session.

16h45-17h15: ICSMS special awards; presentation on next conference in Lisbon by Prof Diogo Pais; passage of the ICSMS flag and medallion.

17h15-18h45: IFAA Emergent Anatomists event

18h45 onwards: Students' social event

Monday 07/08/2023

***POSTER SESSION #1* (2-minute presentations)**

Venue: Main Auditorium downstairs

08h00-08h03:

Dr Sara Bernardi (Department of Life, Health and Environmental Sciences, University, Italy)
Proliferation and Morphological fine assessment of human periodontal ligament fibroblast cultures towards bovine pericardial membranes. #73

08h03-08h06:

Prof Desiré Brits (WITS, RSA) Validation of the DSP2 software for sex estimation in South African populations. #137

08h06-08h09:

Ms Angel Cele (UKZN, RSA) Morphological and morphometric analysis of the distal humerus. #118

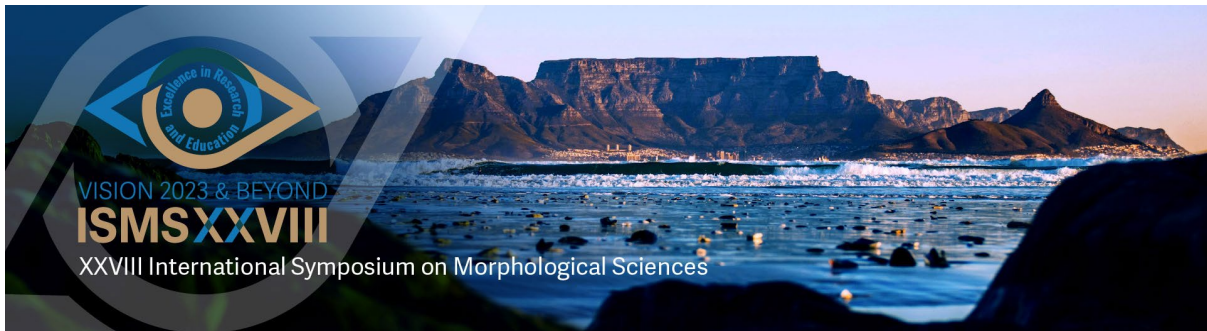
08h09-08h12h:

Ms Meg-Kyla Erasmus (UP, RSA) Assessing variation in ear size of South African populations for 3D cranio-facial approximation. #78

08h12-08h15:

Mr Hansbert Hamutenya (University of Namibia, Namibia) Establishing a 3D printing lab at a tertiary institution in Namibia: experiences and challenges #142

08h15-08h18:



Prof Seung Ho Han (Ewha Womans University College of Medicine, Korea) Three-Dimensional Virtual Reconstruction of Shoulder Movement for a Human Musculoskeletal Digital Twin. #84

08h18-08h21:

Ms Patria Hartman (SMHSU, RSA) The quality of multiple-choice based anatomy tests at a tertiary institution in South Africa. #155

08h21-08h24:

Mr Thom Kaledzera (SU, RSA & Malawi) Sexual dimorphism of the human patellar bone in a South African Western Cape population. #76

08h24-08h27:

Prof. Dai-Soon Kwak (The Catholic University of Korea) Movements and Morphological Characteristics of the Sacro-iliac Joint. #121

08h27-08h30: Ms Daniella Lamprecht (SU, RSA) Mesorectum Volumetry in Males with Rectal Cancer: Variabilities Observed in Pre- and Post-Neoadjuvant Radiotherapy Imaging. #71

Please note the parallel sessions from 08h30 onwards

Art in Anatomy: Level 1 flat-floor venue

Chair: Prof Graham Louw and Ms Jessica Garlick

Note: Please bring a red and blue pen to this session.

08h35-09h10:

Keynote speaker: Dr Natasha Muna (UCT, RSA) A theoretical framework and pedagogical analysis of visual language within the health sciences. #163

09h10-09h30:

Mr Leonard Shapiro (UCT, RSA) A Novel Method for Closer Anatomy Observation Includes the Sense of Touch and Drawing. #29

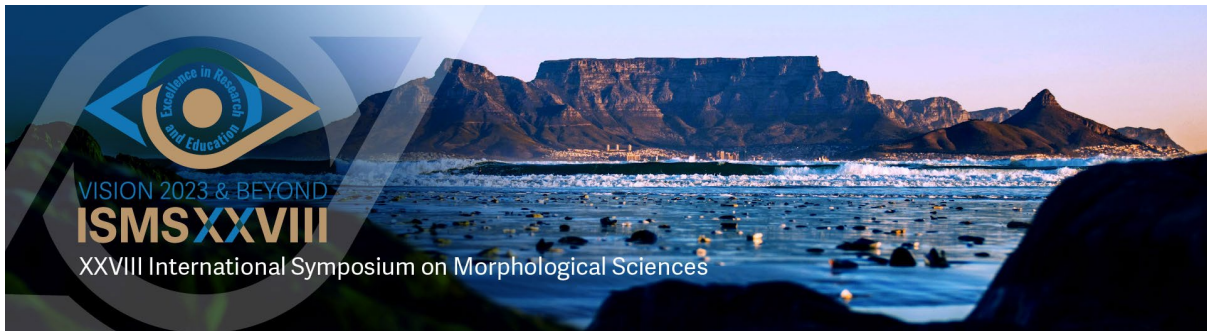
09h30-09h50:

Dr Iain Keenan (Newcastle University, UK) Exploring 3D Anatomy: Global Launch of a Massive Open Online Course. #32

09h50-10h10:

Dr Caroline Erolin (University of Dundee, UK) 3D digital models in Anatomy and Medical Education. #8

10h10-10h30:



Dr Roopam Dey (UCT, RSA) Importance of evaluating bone fracture patterns: a hands-on experience. #18

Forensic Anthropology: Main Auditorium downstairs

Title: Towards the improvement of methods used during skeletal analysis.

Chair: Dr Alison Ridel and Mrs Soné van der Walt

08h40-08h55:

Mr Thom Kaledzera (SU, RSA, Malawi) A new method of estimating age-at-death from patella bone in South African Western Cape population. #77

08h55-09h10:

Ms Amanda Valeria Mokoena (WITS, RSA) Evaluation of the Acsádi-Nemeskéri Complex Method for adult ageing on a Black South African sample. #123

09h10-09h25:

Ms Jessica Gavin (WITS, RSA) Understanding disability implications resulting from degenerative joint disease in a southern African skeletal sample. #108

09h25-09h40:

Ms Rethabile Masiu (UFS, RSA) A profile of skeletal lesions that are associated with tuberculosis in South Africa. #144

09h40-10h30:

Learning Curve workshop – Ms Stephanie Lathe - World-class digital 3D anatomy education: Improve and save time in your teaching and assessments.

10h30-11h00: Teatime, exhibitors, networking, with thanks to contributions from LearningCurve

11h00-13h00:

Art in Anatomy workshop: Level 1 flat-floor venue

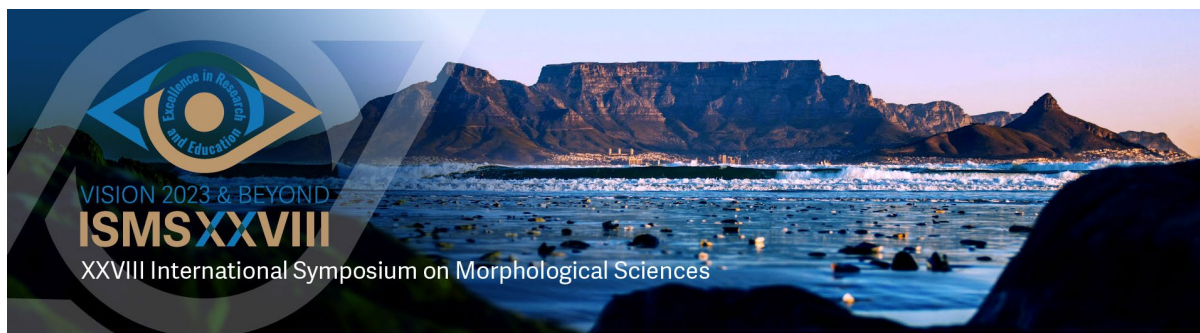
Chair: Mr Leonard Shapiro

Please read the workshop details on the website for ISMS XXVIII.

5-minute flash talks by delegates attending the workshop – bring a piece of educational material and share with the workshop. Group discussion.

Excellence in Education: Main Auditorium downstairs

Chair: A/Prof Geney Gunston and Dr Carol Hartmann



11h00-11h45:

Keynote speaker: Prof Sabine Hildebrandt (Boston Children's Hospital and Harvard Medical School, USA) Ethics in Anatomy: With the body, beyond the body – the meaning of Anatomy Education in 2023. #42

11h45 – 11h59:

Mx Ruan Lochner (US, RSA) Anatomy as social change agent: Decolonising Gender in South African Medicine with Evidence-Based Teaching #27

11h59-12h13:

Ms Cassandra Creamer (UKZN, RSA) A Coloured community's perceptions on whole body donation in KwaZulu-Natal #65

12h13-12h27:

Ms Courtney Barnes (UKZN, RSA) "Our mind is our sanctuary": Impact of Covid-19 pandemic on the mental health of students. #126

12h27-12h41:

Prof Lelika Lazarus (UKZN, RSA) "Change what you can, manage what you can't": Student mental well-being amidst the COVID-19 pandemic. #109

12h41-12h55:

Prof Julien Gashegu (University of Rwanda) The Role of Surgical Anatomy Dissection Courses in Surgical Training. #38

12h55-13h09

Dr Kentse Mpolokeng (UCT, RSA) Using Mentimeter as an interactive tool to facilitate student participation in in-person lectures on anatomy. #162

13h00-14h00: lunchtime, exhibitors, networking, opportunity to meet and greet Ms Jocelin Kagan of Africa's Wild Dog Survival Fund

Forensic Anthropology: Main Auditorium downstairs

Title: The use and future of 3D data in forensic anthropology

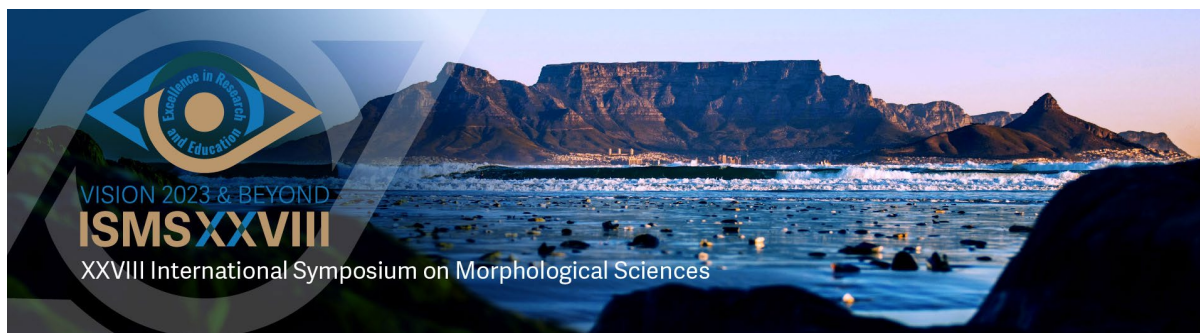
Chair: Dr Anja Meyer and Ms Rethabile Masiu

14h00-14h15:

Ms Aimee Welmans (SU, RSA) Establishing Muscle Architectural Differences Among Mesocephalic, Dolichocephalic and Brachycephalic Skull Morphology. #67

14h15-14h30:

Dr Alison Ridel (UP, RSA) Estimating socio-cultural identity within black South African groups using sub-specific discriminate 3D shape matrices. #79



14h30-14h45:

Prof Ericka Noelle L'Abbe (UP, RSA) Beatings, Broken Bones, Bullet Holes and 3D prints: education in bone trauma. #37

14h45-15h00:

Ms Soné Van Der Walt (UP, RSA) Dimensions of the orbital region for biological profiling in a South African sample. #93

15h00-15h15:

Ms Meg-Kyla Erasmus (UP, RSA) Correlations between facial feature shapes for applications in compound cranio-facial approximation techniques. #39

15h15-15h30:

Ms Miksha Harripershad (UP, RSA) Exploring skeletal asymmetry and indicators of developmental stress in a South African sample. #48

Clinical Anatomy: Level 1 flat-floor venue

Chair: Ms Jeshika Luckrajh and Dr Nkhensani Mogale

14h00-14h10:

Mr Ezra Earl Anirudh (UFS, RSA) Assessing craniofacial symmetry in a Free State population. #146

14h10-14h20:

Mr Sandile Ntuli (UCT, RSA) Morphological and histological analysis of vascular conduit options used for coronary artery bypass grafting. #145

14h20-14h40:

Dr Rene Baron (UP, RSA) Proposed standardisation of terminologies and methodologies used in morphological studies of human cochlear dimensions. #11

14h40-14h50:

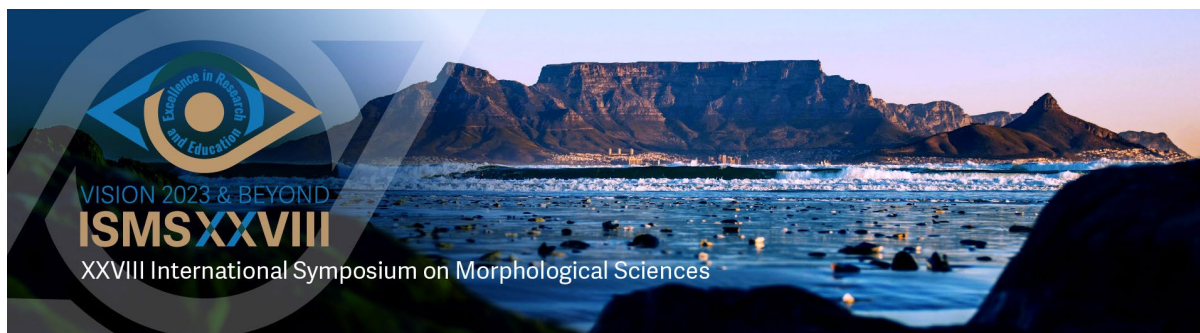
Ms Thembelihle Cele (UKZN, RSA) Craniofacial form and masseter muscle anatomy in relation to sex: a radiographical and cadaveric study. #56

14h50-15h00:

Mr Mageja Mahlalela (UKZN, RSA) Anatomical study of the pterion in a South African population of KwaZulu-Natal. #60

15h00-15h10:

Mr Peterson Atiba (Bowen University, Nigeria) Hemifacial microsomia: A scoping review on progressive facial asymmetry due to mandibular deformity. #74



15h10-15h20:

Dr Alison Ridel (UP, RSA) Digital protocol for the prosthetic rehabilitation of a midfacial defect using statistical shape modelling (SSM). #80

15h20-15h30:

Master Jing Cheng (Dalian Medical University, China) Morphological Characteristics of the Medial Patellofemoral Ligament and its Clinical Significance, #91

15h30-16h00: teatime, exhibitors, networking

POSTER SESSION #2 (2-minute presentations)

Main Auditorium downstairs

16h00-16h03:

Ms Nomthandazo Magcaba (UKZN, RSA) Morphology and Morphometry of the Anterior Clinoid Process in a select South African Population. #83

16h03-16h06

Prof Shahed Nalla (UJ, RSA) Co-existent vertebral malformations: Sacral Spina bifida occulta (SSBO) with Lumbosacral Transitional Vertebra (LSTV) in a South African Population Sample: #12

16h06-16h09:

Ms Amberly Oosthuizen (UCT, RSA) Craniofacial sex and age-at-death: Influenced by trauma? #64

16h09-16h12

Mr Vaughan Perry (SMHSU, RSA) Combination antiretroviral therapy worsens/exacerbates fructose and streptozotocin induced diabetic skeletopathy in the Sprague-Dawley rat humerus: #92

16h12-16h15:

Ms Kamini Pillay (WITS, RSA) Exploring the application of three-dimensional scanning and printing of human juvenile skeletal remains for teaching. #136

16h15-16h18

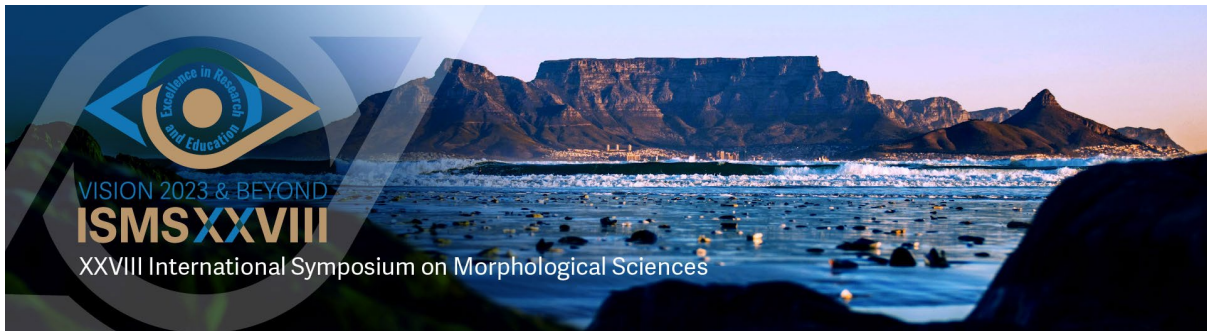
Dr Lané Prigge (UP, RSA) Morphometric analysis of the adult plantaris muscle: A South African cadaveric study. #97

16h18-16h21

Dr Alison F. Ridel (UP, RSA) Variations in French facial morphology matrices using CT scans. : #31

16h21-16h24:

Ms Ayanda Shandu (UKZN, RSA) Anatomical study into the morphometry and topography of the clavicle and its nutrient foramen. #112



16h24-16h27:

Ms Soné Van Der Walt (SMHSU, RSA) The effectiveness of online assessments according to students and lecturers at a Gauteng medical school. #131

16h27-16h30:

Ms Soné Van Der Walt (SMHSU, RSA) Students' perceptions of Anatomy teaching strategies and external factors affecting their learning of Anatomy. #153

16h30-16h33:

Ms Thandolwethu Mbonani (UP, RSA) Automatic placement of anatomical and sliding landmarks on 3D human pelvis models for shape analysis. Note: Dr. Alison F. Ridel (UP, RSA) to present. #50

18h30 onwards: Gala dinner at a restaurant in the V&A Waterfront

Tuesday 08/08/2023

Please note the parallel sessions from 08h00 onwards

Ethics symposium Level 1 flat-floor venue

Note: Attendees need to sign the attendance register inside the venue in order to have a record of CPD ethics points.

Chair: Dr Pamela Pillay / Dr Anja Meyer / Dr Erin Hutchinson / Mr Joastin Naidoo

08h00 – 08h30:

Keynote address 1: Prof Kapil Satyapal (UKZN, RSA) Anatomists' approach to Ethical Dilemmas.

08h30-08h45:

Prof Beverley Kramer (WITS, RSA) Public dissection: An ethical conundrum for anatomists #57

08h45-09h00:

Mr Joastin Naidoo (NMU, RSA) Ethical considerations of developing an anatomy programme within a South African context #104

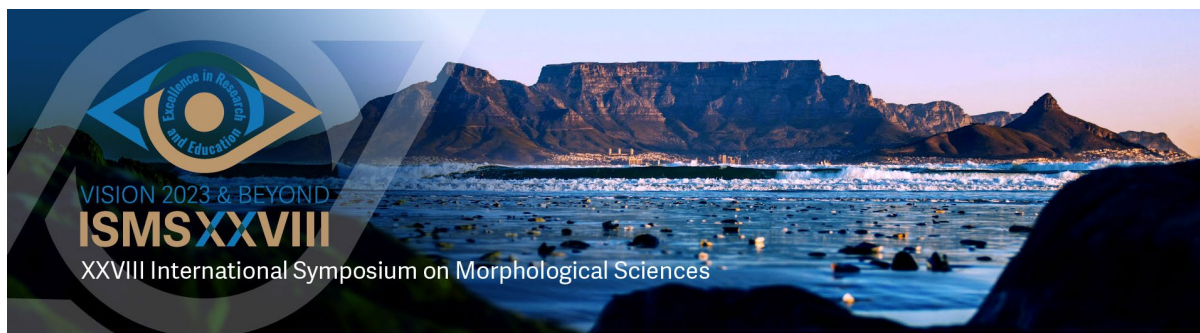
09h00-9h30:

Keynote address 2: Prof Beverley Kramer (WITS, RSA) A debt to the dead: Anatomists as custodians of the ethical use of the dead.

09h30-09h45:

Dr Brendon Billings (WITS, RSA) Consent, transparency and informed decision making in body donation #58

09h45-10h00:



Dr Brenda De Gama (UKZN, RSA) Are the youth of The Shembe church willing to donate their bodies to science? #36

Flash talks:

10h00-10h10:

Dr Pamela Pillay (UKZN, RSA) Body Donation: Ethical concerns, best practice & guidelines before and during COVID-19. #160

10h10-10h20:

Prof Tanya Nadine Augustine (WITS, RSA) Research integrity in a South African health sciences institution. #139

10h20-10h30:

Prof Victoria Gibbon (UCT, RSA) Intellectual property agreements for three-dimensional imaging research: Research oversight and protection of African human data. #95

Developmental Biology, Developmental Anatomy and Embryology: **Main Auditorium downstairs**

Chair: Prof Onyemaechi Okpara Azu and Prof Robert Ndou

08h00 – 09h00:

Keynote speaker: Dr Joy Richman (University of British Columbia, Canada) Experimental studies on tooth replacement using the leopard gecko as a novel animal model.

09h00 – 09h12:

Ms Aminat Adigun (UP, RSA) In-vitro effects of epigallocatechin gallate on cell viability and adhesion of melanoma and endothelioma cells. #81

09h12 – 09h24:

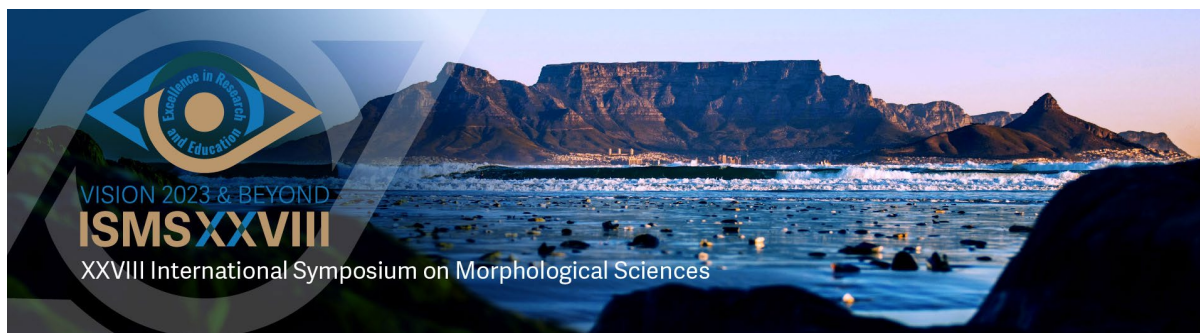
Prof Tanya Nadine Augustine (WITS, RSA) Proteomics profiling reveals network alterations following tumour cell-platelet interaction under hormone-therapy: hypercoagulation mediates survival. #138

09h24 – 09h36:

Prof Onyemaechi Okpara Azu (University of Namibia, Namibia) Tenofovir-silver nanoparticles (Ag-Nps) conjugate ameliorates neurocognitive disorders, protects ultrastructure of the prefrontal cortex in diabetic rats. #55

09h36 – 09h48:

Ms Charlise Basson (UP, RSA) An In Vitro Investigation of CTCE-9908 and L-Kynurenine on Melanoma Cell Morphology and Apoptosis. #41



09h48 – 10h00:

Mr Seke Nzau Mafuika (UKZN, RSA) The Role of Tenascin-c in HIV Associated Pre-eclampsia. #52

10h00 – 10h12:

Ms Mira Mendelow (WITS, RSA) A Geometric Morphometric Analysis of the Pars Basilaris and Pars Lateralis. #87

10h30-11h00: teatime, exhibitors, networking

Developmental Biology, Developmental Anatomy and Embryology:
Main Auditorium downstairs

Chair: Prof Onyemaechi Okpara Azu and Prof Robert Ndou

11h00 – 11h12:

Ms Carolyn Nadasen (UP, RSA) In Vitro Effects of MAZ-51 and Epigallocatechin Gallate on Cellular Morphology in Melanoma Cells. #40

11h12 – 11h24:

Ms Ziphozethu Ndlazi (UKZN, RSA) Progression of the histopathological changes in the urinary tract during Uropathogenic E. coli infection. #149

11h24– 11h36:

Prof Robert Ndou (WITS, RSA) Alcohol aggravates skeletopathy in the diabetic male Sprague Dawley rat mandible. #141

11h36 – 11h48:

Prof Stefania Annarita Nottola (Sapienza University, Italy) Presence of microplastics in the human placenta: Ultrastructural insights. #110

11h48 – 12h00:

Prof Maria Grazia Palmerini (University of L'Aquila, Italy) Impairment of the ultrastructure of mammalian oocytes under different in vitro culture conditions. #148

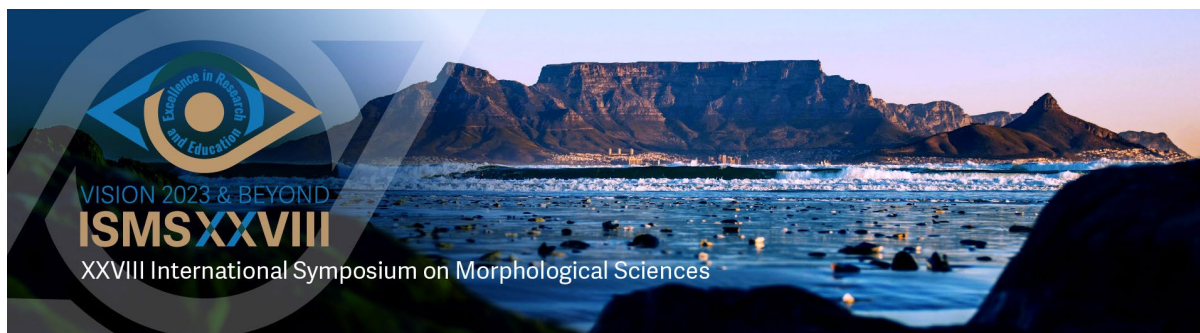
12h00– 12h12:

Mr Heinrich Smuts (UP, RSA) Investigating the antidiabetic properties of small peptides in relevant in vitro cellular models. #63

12h12 – 12h24:

Ms Wilmari Uys (UCT, RSA) A morphological study of age-related changes during the intra-pupal period of the blowfly, *Chrysomya chloropyga*. #164

12h24 – 12h36:



Dr Kutlwano Xulu (WITS, RSA) Cytotoxicity of chemotherapy drugs and characterising tumour heterogeneity in cervical cancer. #150

Evolutionary Biology & Comparative Anatomy: Level 1 flat-floor venue

Chair: Prof Shahed Nalla

11h00-12h00:

Keynote speaker - Assistant Professor Sayaka Tojima (Kyoto University, Japan) Tale of the tail: a study of the evolutionary and developmental paths to humans, "Shippology". #45

12h00-12h15:

Ms Ansuya Chetty (UCT, RSA) An Assessment of Electrical Deaths in Cape Town Western Metropole from 2011 to 2020. #133

12h15-12h30:

Dr Elizabeth Dinkele (UCT, RSA) Enteseal changes as markers of physical activity in southern African hunter-gatherer/herders from the Holocene. #129

12h30-12h45:

Dr Lauren Sahd (SU, RSA) Do burrowing strategies affect muscle architecture and muscle fibre composition in African mole-rats? #34

13h00-14h00: lunchtime, exhibitors, networking

Main Auditorium downstairs for the afternoon session

14h00 – 15h00: ***The wonder of African Wild Dogs and challenges to their survival*** by Ms Jocelin Kagan – presentation and announcement of winners of raffles for AWD book and framed photograph.

15h15-15h45: teatime and **Official Closing Ceremony**, conference wrap-up, prize giving, official closure by ICSMS, general closure, acknowledgements & farewell from ASSA,

Abbreviations for universities in the Republic of South Africa

NMU = Nelson Mandela University

SMHSU = Sefako Makgatho Health Sciences University

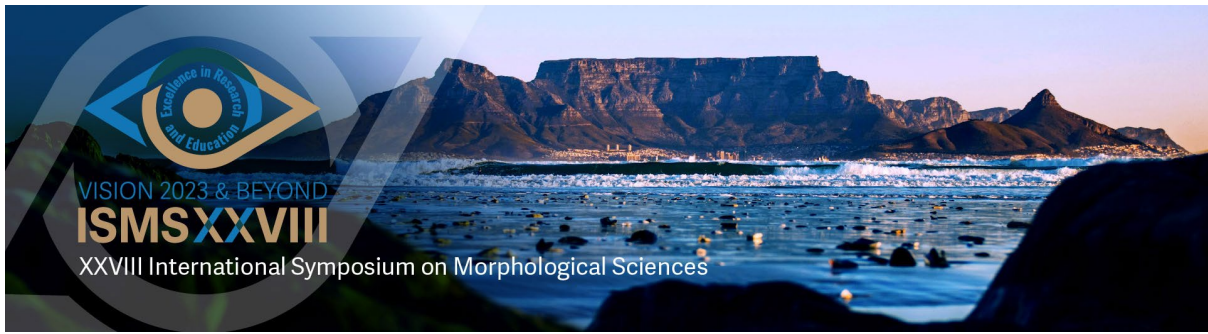
UCT = University of Cape Town

UFS = University of the Free state

UKZN = University of KwaZulu-Natal

UJ = University of Johannesburg

UP = University of Pretoria



SU = Stellenbosch University

WITS = University of the Witwatersrand



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ISMSXXVIII

XXVIII International Symposium on Morphological Sciences