

SMC2025 Conference Programme

Tuesday 2 December					
16:00-19:00	Registration [📍 Ground floor, Life Sciences Building] and Welcome Cocktail [📍 1st floor, Life Sciences Building]				
Wednesday 3 December					
08:00 – 09:00	Registration [📍 Ground floor, Life Sciences Building]				
09:00 – 09:30	Opening Ceremony. Session chair Prof AK Mishra and co-chair: Prof Admire Dube [📍 Auditorium]				
09:30 – 10:15	★ Opening KEY-14: Prof James Njuguna (Robert Gordon University, UK) [📍 Auditorium]				
10:15 – 11:00	★ KEY-10: Prof Shivani Mishra (Academy of Nanotechnology and Waste Water Innovations, South Africa) [📍 Auditorium]				
11:00 – 11:15	Tea Break [📍 1st floor, Life Sciences Building]				
	Smart Materials Session chair Prof Shivani Mishra [📍 Auditorium]	Water Session chair Prof Leslie Petrik [📍 Room 1F]	Energy Session chair Prof James Njuguna [📍 Room 1E]	Combined Electronics & Medicine Session chair Dr Bulelwa Ntsendwana/Prof Robert Lindsay [📍 Room 1D]	Online Session chair Prof S Sivarasu and Dr S Brigg [📍 Room 1A/B]
11:15 – 12:00	★ KEY-03: Prof Admire Dube (University of the Western Cape)	★ KEY-31: Prof Katlego Makgopa (Tshwane University of Technology, South Africa)	★ KEY-02: Prof Michael Claey's (University of Cape Town)	★ KEY-30: Dr Andrea Haase (German Federal Institute for Risk Assessment (BfR), Germany)	★ KEY-11: Prof Yogendra Kumar Mishra (Southern Denmark University, Denmark)
12:00 – 12:20	O-SM-01: Ms Modjadji Rebecca Letsoalo (University of the Witwatersrand)	O-WW-01: Prof Jakob Albert (University of Hamburg)	O-EN-01: Mr Kaleab Habtamu Ayalew (University of South Africa)	O-EL-01: Mr Malefetsane Khesuoe (Cape Peninsula University of Technology)	★ KEY-29: Prof Akram Zamani (University of Borås)
12:20 – 12:40	O-SM-02: Dr Adli Peck (University of Cape Town)	O-WW-02: Dr Mbongiseni L Dlamini (University of the Witwatersrand)	O-EN-02: Ms Makhaokane Paulina Chabalala (University of Johannesburg)	O-EL-02: Ms Tabitha Alango (University of South Africa)	
12:40 – 13:00	O-SM-03: Dr Uliana Pinaeva (Joint Institute for Nuclear Research)	O-WW-03: Dr Adama Fall (UNESCO-UNISA Africa Chair in Nanosciences -Nanotechnology, College of Graduate Studies)	O-EN-03: Mr Leonard Mamba (University of South Africa)	O-EL-03: Dr Katekani Shingange (University of the Witwatersrand)	O-EL-05: Prof Tirimisiyu Olaniyan (The Robert Gordon University, UK) [ONLINE]
13:00 – 14:00	Lunch and networking with exhibitors [📍 1st floor, Life Sciences Building]				

	Smart Materials Session chair Prof Michael Claeys [📍 Auditorium]	Water Session chair Prof Manoj Patel [📍 Room 1F]	Energy Session chair Dr Candice Cupido [📍 Room 1E]	Combined Electronics & Medicine Session chair Dr Andrea Haase [📍 Room 1D]	Online Session chair Dr O Alexander and Dr S Brigg [📍 Room 1A/B]
14:00 – 14:20	★ KEY-27: Prof John T. W. Yeow (University of Waterloo, Canada)	O-WW-05: Ms Shonisani Munyai (University of Johannesburg)	★ KEY-08: Dr Emmanuel Kweinor Tetteh (Durban University of Technology/Green Engineering Research Group)	★ KEY-26: Prof Hulda Shaidi Swai (Nelson Mandela African Institution of Science and Technology (NM-AIST), Tanzania)	★ KEY-06: Prof Ajeet Kaushik , (Florida Polytechnic University, USA)
14:20 – 14:45		O-WW-06: Dr Shirley Selahle (University of Venda)			
14:45 – 15:05	O-SM-04: Mr Mziwandile Sibiya (University of the Western Cape)	O-WW-07: Dr Kholiswa Yokwana (University of South Africa)	O-EN-04: Dr Sampath Kumar Puttapati (National Institute of Technology Warangal)	O-EL-04: Mr Danvendra Singh (Indian Institute of Technology Delhi, The University of Queensland)	★ KEY-01: Dr Mritunjay Chaubey (UPL Limited)
15:05 – 15:25	O-SM-06: Mr Nikita Drozhzhin (Dubna State University, Joint Institute for Nuclear Research)	O-WW-08: Ms Eunice Zulu (The Copperbelt Univeristy)	O-EN-06: Dr Mahmood Akbari (UNESCO-UNISA-iTLABS/NRF Africa Chair in Nanoscience and Nanotechnology)	O-EN-13: Mr Nahom Alemayehu (University of South Africa)	
15:25 – 15:45	O-SM-10: Ms Amanda Ngema (University of South Africa)	O-WW-09: Mr Nehemiah Mukwevho (Mintek)	O-EN-07: Mr Victor Fatokun (Durban University of Technology)	O-EN-14: Mr Lihle Mdeleleni (University of Fort Hare)	O-EN-05: Mr Prakash Yadav (ABV-Indian Institute of Information Technology and Management, Gwalior)
15:45 – 16:00	Tea Break [📍 1st floor, Life Sciences Building]				
16:00 – 17:00	Poster Presentations [📍 1st floor, Life Sciences Building]				
18:30 – 23:00	Gala Dinner [📍 Nitida Wine Estate]				

SMC2025 Conference Programme

Thursday 4 December

09:00 – 09:30	Welcome and housekeeping Session chair Prof AK Mishra and co-chair: Dr Candice Cupido [📍 Auditorium]				
09:30 – 10:15	★ KEY-18: Prof Mohsen Rahmani (Nottingham Trent University, UK) [📍 Auditorium]				
10:15 – 11:00	★ KEY-25: Prof Sudesh Sivarasu (University of Cape Town, South Africa) [📍 Auditorium]				
11:00 – 11:15	Tea Break [📍 1st floor, Life Sciences Building]				
	Smart Materials Session chair Prof Lucky Sikhwihilu [📍 Auditorium]	Water Session chair Prof Jin-Woo Kim [📍 Room 1F]	Energy Session chair Prof Katlego Makgopa [📍 Room 1E]	Combined Electronics & Medicine Session chair Prof Sudesh Sivarasu [📍 Room 1D]	Online Session chair Dr O Alexander and Dr S Brigg [📍 Room 1A/B]
11:15 – 12:00	★ KEY-16: Prof Leslie Petrik (University of the Western Cape, South Africa)	★ KEY-33: Prof Ajay Kumar Mishra (University of the Western Cape, South Africa)	★ KEY-15: Dr Manoj Patel (CSIR Central Scientific Instruments Organisation, India)	★ KEY-04: Dr Ioanna Giouroudi (Technische Universität Wien)	★ KEY-05: Dr Saeid Hosseini (Caldic, Benelux)
12:00 – 12:20	O-SM-08: Dr Adetunji Lawal (Abiola Ajimobi Technical University, Ibadan, Nigeria)	O-WW-04: Dr Jean-Luc Mukaba (Nelson Mandela University)	O-EN-08: Mr Ildephonse Habyalimana (Durban University of Technology)	O-MD-01: Mr Harrison Abrahams (University of the Western Cape)	★ KEY-21: Dr Rangabhashiyam Selvasembian (SRM University-AP, India)
12:20 – 12:40	O-SM-09: Dr Lesego Malepe (University of Johannesburg)	O-WW-10: Dr Elizabeth Gaobodiwe Masibi (Mintek)	O-EN-09: Engr Ahmed Inuwa (Durban University of Technology)	O-MD-02: Dr Kulani Mhlongo (University of the Free State)	
12:40 – 13:00	O-SM-13: Ms Clara Nyanisi Nkuna (Tshwane University of Technology)	O-WW-13: Ms Nhlanhla Nkosi (Durban University of Technology)	O-EN-10: Ms Thulethu Seyisi (Nelson Mandela University)	O-MD-03: Dr William Moloto (Mintek)	★ KEY-17: Mr Logan Pillay
13:00 – 14:00	Lunch and networking with exhibitors [📍 1st floor, Life Sciences Building]				

	Smart Materials Session chair Prof Sudesh Ratilal [📍 Auditorium]	Water Session chair Dr Manoj Patel [📍 Room 1F]	Water Session chair Dr Bulelwa Nsedwana/Dr Mellisa Tafadzwa Chikukwa [📍 Room 1E]	Energy/Water Session chair Dr Emmanuel Tetteh [📍 Room 1D]	Online Session chair Dr O Alexander and Dr S Brigg [📍 Room 1A/B]
14:00 – 14:20	★ KEY-35: Prof Nithyadharseni Palaniyandy (University of South Africa)	O-WW-11: Dr Razieh Morad (University of South Africa)	O-WW-15: Mr Netshedzo Tshikosi (Durban University of Technology)	★ KEY-32: Prof Lucky Sikhwivhilu (Mintek)	★ KEY-19: Prof Amit Rawal (Indian Institute of Technology Delhi)
14:20 – 14:45		O-WW-12: Ms Caressa Munien (Durban University of Technology)	O-WW-16: Mr Ragavan Chandrasekar (Indian institute of technology Guwahati)		
14:45 – 15:05	O-SM-11: Dr Vladimir Zhaketov (Joint Institute for Nuclear Research)	O-WW-21: Dr Innocentia Mkhize (Durban University of Technology)	O-WW-17: Ms Mokibelo Joy Hlaraka (University of Johannesburg)	O-EN-11: Mr Dakalo Rollet Mashamba (Tshwane University of Technology)	
15:05 – 15:25	O-SM-12: Mr Grant Tshepo Mafa (Tshwane University of Technology)	O-WW-22: Ms Nompumelelo Kubheka (University of South Africa)	O-WW-18: Dr Dorcas Zide (Cape Peninsula University of Technology)	O-EN-12: Mr Siddharth Shukla (Indian Institute of Technology Delhi)	
15:25 – 15:45	O-WW-20: Mr Njabulo Sondezi (University of Johannesburg)	O-WW-24: Dr Refiloe Letsoalo (Mintek)	O-WW-23: Ms Phelokazi Mavuso (University of Johannesburg)	O-EN-15: Ms Dibora Birusew (University of South Africa)	O-WW-19: Mr Oludare Amos Solademi (Robert Gordon University)
15:45 – 16:00	Tea Break [📍 1st floor, Life Sciences Building]				
16:00 – 17:00	Poster Presentations [📍 1st floor, Life Sciences Building]				

SMC2025 Conference Programme	
Friday 5 December	
09:00 – 09:30	Welcome and housekeeping Session chair Prof AK Mishra and co-chair Prof Leslie Petrik [📍 Auditorium]
09:30 – 10:15	★ KEY-07: Prof Jin-Woo Kim (University of Arkansas, USA) [📍 Auditorium]
10:15 – 11:00	★ KEY-09: Prof Malik Maaza (UNESCO Chair, South Africa) [📍 Auditorium]
11:00 – 11:15	Tea Break [📍 1st floor, Life Sciences Building]
	Smart Materials/Water Session chair Prof M Onani / Prof Ross [📍 Auditorium]
11:15 – 11:45	IEEE and IEEE NTC Activities and Student chapter Speaker Prof Komla Folly [📍 Auditorium]
11:45 - 12:15	SANi promotions and Plans Speaker Prof Katlego Makgopa [📍 Auditorium]
12:15 - 12:45	ACS activities and Student UWC Student chapter Speaker Dr Rajesh Parishwad / Prof AK Mishra [📍 Auditorium]
12:45 - 13:15	Closing ceremony Prof AK Mishra / Prof Leslie Petrik / Prof Admire Dube / Dr Candice Cupido [📍 Auditorium] Includes awards and prize ceremony.
13:15 – 13:30	Lunch on the go: ready for excursions [📍 1st floor, Life Sciences Building]
13:30 – 17:00	Excursions