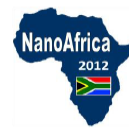




The 4th International Conference on Nanoscience and Nanotechnology
1 – 4 April 2012, University of the Free State, South Africa



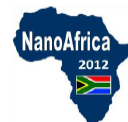
Sunday, 1 April 2012 - Arrival of Delegates Evening Programme Director (Prof. Hendrik Swart)		Venue
12.00 – 18.00	Registration	CR Swart Foyer
18.30 – 19.00	Welcoming address : Prof. Martin Ntwaeaborwa : DST Representative	CR Swart Auditorium
19.00 – 19.45	Presentation: Prof. Lodewyk Kock	CR Swart Auditorium
19.45 – 21.00	Welcome Cocktail Party	CR Swart Foyer

Monday, 2 April 2012				
07:00 – 08:30 Registration				
Time	Activity (CR Swart Auditorium)	Presenter		Chairperson
08:45 – 08:50	Opening Remarks	Prof. Martin Ntwaeaborwa: Conference Chair		Martin Ntwaeaborwa
08:50 – 09:00	Comments from the SANi	Dr. Leskey Cele: Chairman of SANi		
09:00 – 09:45	Welcome address and official opening of the 4 th NanoAfrica 2012 Conference.	Rep, Department of Science and Technology, SA		
09:45 – 10:15	TEA BREAK			
10:15 – 11:00	PL1 (Prof. Sanjay Mathur) – Session Chair: Prof. Suprakas Sinha Ray CR Swart Auditorium			
Symposium	Session 1 Fabrication of Nanosystems and Devices	Session 2 Synthesis & Characterization of Nanomaterials	Session 3 Nano and Energy	
Venue	CR Swart Auditorium	CR Swart – Senate room	CR Swart – Hall 3	
Session Chair	Leskey Cele	Neerish Revaprasadu	Nosipho Moloto	
11:00 – 11:25	KN1: M. Pal	KN2: J.C. Swarts	KN3: S.J. Dhoble	
11:25 – 11:45	OP1: A du Plessis	OP5: T.J. Muller	OP9: P. Mbule	
11:45 – 12:05	OP2: T.S. van der Heever	OP6: E.H.G. Langner	OP10: N. Manyala	
12:05 – 12:25	OP3: I.M. Nagpure	OP7: S.A. Mamuru	OP11: C. Ikpo	
12:25 – 12:45	OP4: B.T. Sone	OP8: M. Chilli	OP12: S.C. Gedam	
12:45 – 13:45	LUNCH BREAK			
13:45 – 14:30	PL2 (Prof. Baldev Raj) – Session Chair: Dr. Lucky Sikhwivhilu CR Swart Auditorium			
Symposium	Session 4 Nano and Health	Session 5 Synthesis & Characterization of Nanomaterials	Session 6 Nano and Water	
Venue	CR Swart Auditorium	CR Swart – Senate room	CR Swart – Hall 3	
Session Chair	Kenneth Ozoemena	Justice Moloto	Nontombi Marule	
14:30 – 14:55	KN4: N. Musee	KN5: M. Scurrall	KN6: P. Herrmann	
14:55 – 15:15	OP13: M. Vetten	OP16: L. Wessels	OP19: J. Zvimba	
15:15 – 15:35	OP14: N. Ngcoza	OP17: B.C. Ejelone	OP20: N. Phao	
15:35 – 15:55	OP15: K. Boodhia	OP18: G. Bepete	OP21: A.R. Ocwelwang	
15:55 – 16:25	TEA BREAK			
Symposium	Session 7 Nano and Health	Session 8 Synthesis & Characterization of Nanomaterials	Session 9 Modelling of Nanomaterials	
Venue	CR Swart Auditorium	CR Swart – Senate room	CR Swart – Hall 3	
Session Chair	Edith Antunes	Thabani Mhlongo	Leskey Cele	
16:25 – 16:45	OP22: M. Cromhout	OP25: G. Ndlovu	OP28: J. Conradie	
16:45 – 17:05	OP23: Z. Emjedi	OP26: H. Gavi	OP29: M.L. Moropeng	
17:05 – 17:25	OP24: M. Muchindu	OP27: K.N. Shinde	OP30: P. Mdluli	
17:30 – 19:30	POSTER SESSION + DRINKS AND REFRESHMENTS (CR Swart Foyer)			
19:30 – 21:00	SANi STUDENT CHAPTER (Senate Hall)			

Note: PL – Plenary Lecture by Invited Speaker; KN – Key Note by Invited Speaker; OP – Oral Presentation



The 4th International Conference on Nanoscience and Nanotechnology
1 – 4 April 2012, University of the Free State, South Africa



Tuesday, 3 April 2012

8:00 – 8:10	ANNOUNCEMENTS		
8:10 – 8:55	PL3 (Prof. Suzan Cozzens) – Session Chair: Dr. Leskey Cele CR Swart Auditorium		
Symposium	Session 10 Fabrication of Nanosystems and Devices	Session 11 Synthesis & Characterization of Nanomaterials	Session 12 Nano and Sensors
Venue	CR Swart Auditorium	CR Swart – Senate room	CR Swart – Hall 3
Session Chair	Mrinal Pal	Ted Kroon	Sabelo Mhlanga
8:55 – 9:20	OP31: B. Mwakikunga	KN7: E. Bailo	KN8: A.K. Tyagi
9:20 – 9:40	OP32: A. Mohammed	OP34: B.S. Sibokoza	OP36: M. Kao
9:40 – 10:00	OP33: B.M. Mothudi	OP35: S.A. Gursal	OP37: P. Mashazi
10:00 – 10:30	TEA BREAK		
Symposium	Session 13 Nano and Energy/Electrochemistry/Sensors	Session 14 Synthesis & Characterization of Nanomaterials	Session 15 Nano and Health
Venue	CR Swart Auditorium	CR Swart – Senate room	CR Swart – Hall 3
Session Chair	Ndeke Musee	Lucky Sikhwhivhilu	Koos Terblans
10:30 – 10:55	KN9: I.A. Hümmelgen	KN10: M. Lee	OP48: E. Antunes
10:55 – 11:15	OP38: N. Njagi	OP43: R. Sharma	OP49: Y. Lemmer
11:15 – 11:35	OP39: P.M. Bhujbal	OP44: Z. Tetana	OP50: R. Harris
11:35 – 11:55	OP40: C.J. Jafta	OP45: S. Nkosi	OP51: X. Masoka
11:55 – 12:15	OP41: M. Coates	OP46: M.J. Moloto	OP52: R. Dunpall
12:15 – 12:35	OP42: K.I. Ozoemena	OP47: M. Fabiane	OP53: R. Hayeshi
12:35 – 13:35	LUNCH BREAK		
13:35 – 14:20	PL4 (Prof Eugene Cloete) – Session Chair: Prof. Hendrik Swart CR Swart Auditorium		
Symposium	Session 16 Synthesis & Characterization of Nanomaterials	Session 17 Nano and Water	Session 18 Synthesis & Characterization of Nanomaterials
Venue	CR Swart Auditorium	CR Swart – Senate room	CR Swart – Hall 3
Session Chair	Bonex Mwakikunga	Japie Engelbrecht	Neil Coville
14:20 – 14:40	OP54: L. Kotsedi	OP58: S.P. Masinga	OP62: J. Muthu
14:40 – 15:00	OP55: T. Kente	OP59: N.H. Mthombeni	OP63: V. Ojijo
15:00 – 15:20	OP56: M. Mlambo	OP60: J.R. Gumbo	OP64: N.M. Musyoka
15:20 – 15:40	OP57: K.G. von Eschwege	OP61: M. Ondiaka	OP65: D. Sahu
15:40 – 16:10	TEA BREAK		
16:10 – 18:00	SANi AGM (CR Swart Auditorium)		
18:30 – 19:00	TRANSFER TO CONFERENCE DINNER		
19:00 – 23:00	CONFERENCE DINNER + AWARDS (Centenary Hall)		

Wednesday, 4 April 2012	
Session Chair	Prof. Neil Coville
Venue	CR Swart Auditorium
08:00 – 08:10	ANNOUNCEMENTS
08:10 – 08:35	KN11: M. Gulumian
08:35 – 09:00	KN12: R.R. Johnson
09:00 – 09:25	KN13: L. Raynard, SAASTA
9:25 – 9:50	KN14: S. Kumar
09:50 – 10:00	CLOSING REMARKS
10:00 – 10:30	TEA AND DEPARTURE