



PRELIMINARY PROGRAM AFRICON 2013 URSI SESSION "LARGE SCALE SCIENCE PROJECTS: EUROPE-AFRICA CONNECTS"
September 10-11, 2013 - Hotel Le Victoria - Pointe aux Piments - Mauritius

September 9-12, 2013
Hotel Le Meridien - Pointe aux Piments

1ST DAY	Tuesday 10 September 2013			
08:00 - 09:00	Registration Africon 2013/URSI BEJ session	Venue: Le Meridien hotel, Village Hall Lane - Pointe Aux Piments, Mauritius		
09:00-10:00	Launching Ceremony	Chamarel 1		
10:00-10:20	Tea break			
10:20-11:20	Key note 2 - Vinton Cerf	Chamarel 1		
11:20-12:40	Africon programme			
12:40	Lunch			
13:40-14:40	Key note 3 - Eric Giler	Chamarel 1		
	Walk to Le Victoria hotel			
15:00	First and opening session	Venue URSI BEJ session: Le Victoria hotel	Chair: Justin Jonas	Co-authors
15:00	Sunjiv Soyjaudah (Chair Africon 2013)	Welcome address on behalf of IEEE Africon 2013	generalchair@africon2013.org	
15:10	Arnold van Ardenne (Chair organizing committee)	Introduction URSI	ardenne@astron.nl	
15:20	Takalani Nemaungani (Director: Global Projects Department of Science & Technology)	African-European Radio Astronomy Platform	Takalani.Nemaungani@dst.gov.za	
15:30	Howard C. Reader (Stellenbosch University)	Key note com.E: New robust approaches to designing large radio research instruments	hcreader@sun.ac.za	
16:00	Per Simon Kildal (Chalmers University of Technology)	Key note com.B: Some Reflector and Feed Antenna Inventions that Made a Difference	per-simon.kildal@chalmers.se	
16:30	Girish Kumar Beeharry (University of Mauritius)	Key note com.J: The Multifrequency Interferometry Telescope for Radio Astronomy (MITRA)	gkb@uom.ac.mu	Stuart David MacPherson, Gary Peter Janse van Vuuren (Durban University of Technology)
17:00	Tea break			
17:30	Second session (commission B and other)	Fields and waves	Chair: Per-Simon Kildal	
17:32	Isak Theron (EMSS Antennas)	Towards an optics design for the SKA	iptheron@emss.co.za	Dirk I.L. de Villiers (Stellenbosch University), Robert Lehmsiek (EMSS Antennas (Pty) Ltd)
17:54	Jan Geralt bij de Vaate (ASTRON)	Aperture Arrays for the Square Kilometre Array	vaate@astron.nl	
18:16	Jaisridevi Shibchurn (University of Mauritius)	A prototype dual polarised log periodic antenna array for the MITRA	jaisridevi.shibchurn@umail.uom.ac.mu	Girish Kumar Beeharry
18:38	Ayantunji B.G. and Umeh M.C. (NASRDA)	Statistical Study of the Dependence of Topospheric Refractive Index on Different Weather Vagaries	ayantunji@cbsonline.com	
19:00	End first day			
20:00-21:00	Welcome Ceremony/Cocktail	Le Meridien hotel		

2ND DAY	Wednesday 11 September 2013	Venue URSI BEJ session: Le Victoria hotel		
07:30-08:30	Registration	Le Meridien hotel		
9:00	Third session (commission E and other)	Electromagnetic Environment and Interference	Chair: Howard Reader	
9:02	David Giri (University of New Mexico)	Electromagnetic (EM) Effects Control Using Topological Concepts	Giri@DVGiri.com	
9:24	Franz Schlagenhauser (ICRAR)	RFI assessment of Photovoltaic Modules for Radio Astronomy Applications	F.Schlagenhauser@curtin.edu.au	Budi Juswardy, Peter Hall (ICRAR/Curtin University)
9:46	Nikola Djuric (SEMONT)	The concept of the SEMONT monitoring system and its influence on the EM pollution protection	ndjuric@uns.ac.rs	
10:08	Domingos Barbosa (IT)	Design, Sustainability and Environmental considerations for new African observatories: the MRAO example	dbarbosa@av.it.pt	Claudio Paulo (University Eduardo Mondlane)
10:30	Tea break			
11:00	Fourth session (BEJ)	Fields and waves/Electromagnetic Environment and Interference/Radio Astronomy	Chair: Michael Garrett	
11:02	Mark Bentum (University of Twente)	A Large Ultra-long Wavelength Radio Astronomy instrument in Space	m.j.bentum@utwente.nl	
11:24	Rob Millenaar (SKA Office)	Considerations for the optimal Radio Astronomy site	millenaar@skatelescope.org	
11:46	Dominique Ingala (Durban University of Technology)	An Overview of the MITRA Radio Telescope Signal Chain	dominique@dut.ac.za	Stuart David Macpherson (Durban University of Technology)
12:08	Stefan Wijnholds (ASTRON)	Computing Cost of Sensitivity and Survey Speed for Aperture Array and Phased Array Feed Systems	wijnholds@astron.nl	Rik Jongerius (IBM Netherlands)
12:30	Return to Le Meridien hotel for lunch			
13:50-14:30	Key note 5 - Gordon W. Day	Chamarel 1		
	Walk to Le Victoria hotel			
14:40	Fifth session (commission J1)	Radio Astronomy	Chair: Girish Kumar Beeharry	
14:42	Michael Garrett (ASTRON)	Radio Astronomy transformed: Wide-field antenna developments past, present and future	garrett@astron.nl	
15:04	Justin Jonas (SKA South Africa)	The SKA Africa Project: MeerKAT and More	j.jonas@ru.ac.za	
15:26	Nandita Roopa/Sagar Pirthee (University of Mauritius)	Solar flares in linear and circular polarisation	nandita.roopa@uom.ac.mu	Girish Kumar Beeharry
15:48	Oleg Smirnov (SKA South Africa)	Performance limits of future instruments and surveys: ghosts, surprises and simulations	o.smirnov@ru.ac.za	
16:10	Tea break and poster session			
17:00	Sixth session (commission J2)	Radio Astronomy - VLBI	Chair: Arnold van Ardenne	
17:02	Arpad Szomoru (JIVE)	From tape reel to intercontinental lightpaths: technical developments in the EVN	szomoru@jive.nl	
17:24	Roy Booth (SKA South Africa)	An African VLBI Network (AVN) and its challenges: engineering and its scientific	roy@hartrao.ac.za	
17:46	Michael Lindqvist (Chalmers Technical University)	VLBI science in the EVN, now and in the future	Michael.Lindqvist@chalmers.se	Arpad Szomoru (JIVE)
18:08	Sergio Colafrancesco (WITS University)	An high-frequency radio polarization look at the sky: from Africa to deep space	Sergio.Colafrancesco@wits.ac.za	
18:30	Wrapping up			
20:30-23:30	Gala Dinner			

	Posters			
1.	Nitisha Pirthee (University of Mauritius)	Digital back end schemes for the MITRA	nitisha.pirthee@umail.uom.ac.mu	
2.	Kamila Jenna Armoogum (University of Mauritius)	A prototype data transport system for the MITRA	jenna.armoogum@umail.uom.ac.mu	
3.	Geoffrey Okeng'o (University of the Western Cape)	Cosmology with the SKA and MeerKAT: Probing Cosmic Structure formation via Interacting fluids	geffok@gmail.com	
4.	Okonkwo Perpetua Chinelo (University of Nigeria Nsukka)	TEC Variations over Ilorin	peepyyy@yahoo.com	
5.	Obiseye Oluwaniyi Obiyemi (University of KwaZulu-Natal)	Rain Attenuation Model for Digital Satellite Television over Sub-Saharan Africa: Initial Results for Nigeria	obiseye.obiyemi@uniosun.edu.ng	
6.	Akintunde A. Alonge (University of KwaZulu-Natal)	Rainfall Attenuation Effects at Millimeter Frequencies for Tropical and Subtropical Microwave and Areas using Rain Regimes	210546050@stu.ukzn.ac.za	

All activities in orange are IEEE Africon 2013 programme items, included in registration rate

For more Africon 2013 programme details, as well as workshops and tutorials please check out the programme at http://africon2013.org/Program_Summary.pdf



Consortium for Very Long Baseline Interferometry in Europe

