

SPACE RENAISSANCE TOUR

APOLLO ASTRONAUTS SERIES

2018

venue: Lead City University International Conference Center – Ibadan

PROGRAM

1 st DAY	
SESSION 1.1	RENAISSANCE IS EXPERIENCING A NEW AGE: THE SPACE RENAISSANCE
	<p>Topics: History of the astronautic endeavour, from Sputnik to Space X</p> <p>Space Science: Earth observation, experimentation on Saljut, Skylab, Mir, ISS, Tiangong 1, Space Telescopes for deep universe observation</p> <p>Telecommunications satellites</p> <p>Manned and unmanned Space Exploration: V2, Gagarin, Apollo, Space Shuttle, automated Mars exploration, Voyager, Cassini-Huygens and interplanetary probes, space stations</p>
SESSION 1.2	CHANGE OF PARADIGM: FROM SPACE EXPLORATION TO CIVILIAN SPACE DEVELOPMENT
	<p>Topics: Collaboration between civil aeronautics and space, some virtuous examples</p> <p>Civilian passengers transportation and accommodation in outer space</p> <p>Scientific challenges: life and health protection in outer space, artificial ecosystems</p> <p>Space Tourism and private space programs: 2004 X-Prize, Virgin Galactic, Blue Origin, Space X, Bigelow, Spaceports, ULA plan</p> <p>Disruptive technologies boosting the change of paradigm: reusable launch systems, additive manufacturing, low cost fully reusable passenger transportation systems, new orbital services</p> <p>Civilian space development: space wreckages and debris recovering and reuse, orbital manned workshops for industrial space activities, asteroids mining and cislunar space industrialization, plans for moon villages, cislunar station, Mars missions</p>

2 nd DAY	
SESSION 2.1	THE OUTER SPACE TREATY, 50 YEARS AFTER
	Topics: The Outer Space Treaty validity and missing points Extending human rights into outer space Outer Space Law: civilian space development needs a coherent law system Outer Space Law: where we are, what should be done
SESSION 2.2	SPACE FOR AFRICA AND AFRICA FOR SPACE (I)
	Topics: Agricultural development through the use of satellite technology Urban renewal and planning through space technology Satellite communication Low cost launch services

3 rd DAY	
SESSION 3.1	SPACE FOR AFRICA AND AFRICA FOR SPACE (II)
	Topics: The role of Nigeria Society of Engineers in Space Exploration and Exploitation Computer Society of Nigeria The Role of Media in Space Propagation and Development Entertainment and Space Development - The role of Nollywood
SESSION 3.2	SPECIAL PRESENTATIONS
	Topics: Special Lecture of by Austin Okere founder Computer Warehouse Group - Corruption obstacle to national development. Special Presentation by the Managing Director of Nigcomsat Limited on future of Nigeria in Geostationary orbit Special Presentation by the Permanent Secretary Ministry of Communication - The Commercial viability of NigComSat. The Nigerian Communication Commission - Rooms for Private investors in Satellite Communications in Nigeria