

MALAYSIAN SPACE TOURISM DEVELOPMENT TOWARDS ITS 50TH ANNIVERSARY OF INDEPENDENCE

July 1999 - The 1st mention of space tourism at a public lecture in Malaysia at a seminar on space studies, organised by School of Aerospace Engineering of University Science Malaysia (USM), Perak State Government and Terengganu Science Centre at USM Perak.

August 1999 – The 1st lecture on space tourism in Malaysia - Lecture on the plan to develop Kuala Lumpur International Airport (KLIA) into a spaceport for space tourism and known as Kuala Lumpur International Spaceport (KLIS), at Terengganu Science Centre.

February 2000 - Establishment of *Institut Kajian Aero & Angkasa Malaysia* (IKAM) or Malaysian Institute of Aero & Space Studies – the pioneer organisation of space tourism in Malaysia.

September 2002 - The 1st meeting between IKAM and Space Future Consulting (SFC) on the cooperation between the 2 organisations to promote space tourism in Malaysia, held in London, the United Kingdom.

February 2003 - Publication of the 1st book on space commercialisation written in *Bahasa Melayu*, with its contents mainly on space tourism, "*Pengenalan Ekonomi Angkasa*" (Introductory Space Economy) by IKAM.

February 2004 - The 1st lecture on space tourism by Prof. Patrick Collins of SFC in Malaysia organised by Faculty of Tourism & Hotel Management of University Technology MARA (UiTM) Shah Alam and IKAM at UiTM Shah Alam.

November 2004 - Announcement by Chief Minister of Perak, which stated that Perak state government allows Sultan Azlan Shah Airport in Ipoh to be developed as the spaceport for space tourism – **The 1st announcement by a government agency of the third world on space tourism project.**

December 2005 - Presentation of the paper, "New Opportunities for Malaysia in Space Tourism" by Prof. Patrick Collins at 2nd International Tourism Outlook Conference, Faculty of Tourism & Hotel Management, UiTM Shah Alam.

December 2005 – The 1st meeting between Malaysian Department of Civil Aviation (DCA) and SFC.

February 2006 - Public lecture organised by British Council Kuala Lumpur, "Space Tourism – Fun Thing to Do in the 21st Century" by Prof. Patrick Collins at PETRONAS Twin Towers, Kuala Lumpur.

June 2006 - Presentation of the paper, "Infrastructure Requirements for Sub-Orbital Passenger Space Travel Services" by Prof. Patrick Collins, at International Conference on Engineering Facilities, Faculty of Civil Engineering, UiTM Shah Alam.

July 2006 - Establishment of **Space Tourism Society Malaysia Chapter** (STS-MC) in conjunction with 7 years of space tourism development in Malaysia.

August 2006 – Printing and circulation of the book, "**Space Tourism – New Economy & Technology for Developing Countries**" – The 1st Malaysian space tourism book.

August 2006 – Visit by SFC to Indonesian Aero-Gas Dynamics & Vibration Laboratory (LAGG) at Serpong, Indonesia.

October 2006 – Launching of "**Labu Sayong – Meal Container for Astronaut & Space Tourist**" – The 1st space tourism commercial product development program in Malaysia, originated from the Malaysian astronaut program.

November 2006 – Lecture by Prof. Patrick Collins, "Space Tourism – An Opportunity for Aerospace Engineering Lecturers & Students" at School of Aerospace Engineering, USM.

May 2007 – Presentation of the paper, "**The Symbiotic Relationship between Astronaut Program and Space Tourism Development – A Third Perspective**" by Norul Ridzuan Zakaria representing STS-MC, Perak State Government, UiTM Shah Alam & SFC at 2nd International Association for the Advancement of Space Safety (IAASS), organised by ESA (European Space Agency), NASA (National Aeronautics & Space Administration), JAXA (Japan Aerospace Exploration Agency) and ROSCOSMOS (Russian Federal Space Agency) in Chicago, USA.

May 2007 – Visit by STS-MC to Department of Physics, Valparaiso University at Indiana, USA.

May 2007 – "**An ICAO (International Civil Aviation Organisation) for Space?**" white paper is produced by IAASS, which has a mention of space tourism activity in Malaysia.

July 2007 – "**Labu Sayong – Meal Container for Astronaut & Space Tourist**" poster appears in www.spacetourismsociety.org/Presentations.html as a major reference material for space tourism research.

August 2007 – Distribution of "**Perak Darul Ridzuan – Pioneering Space Tourism into the 50th Anniversary of Independence**" poster to space agencies and space tourism organisations worldwide in conjunction with the 50th anniversary of Malaysian independence.

August 2007 – Submitting of "**An ICAO for Space?**" white paper hardcopies by STS-MC to DCA, Malaysian Space Agency (ANGKASA), Minister of Transportation, Minister of Science Technology & Innovation and Minister of Tourism in conjunction with the 50th anniversary of Malaysian independence.