



Patrick Q. Collins, bio & publications

**Patrick Q. Collins,
Ph.D**



Dr. **Patrick Collins** is a well-known and respected authority on space economics, space tourism, reusable launch vehicles, and space solar power. He is a professor of economics at Azabu University in Japan and adviser to a number of companies and organisations. The focus of Dr. Collins' research for the past 25 years has been how to stimulate growth of commercial space activities, the two main opportunities being tourism and energy supply. Dr. Collins performed the first market research on space tourism in Japan in 1993, and collaboratively in the USA in 1995, and it has been very satisfactory for him to see his results confirmed by Nasa-funded studies performed in recent years. He is co-founder of Space Future Consulting, which maintains the Spacefuture.com archive.

Dr Collins is closely involved with Japanese work on space tourism and space solar power, subjects which are gradually getting more and more attention, and is Chairman of the Society for Space Tourism of Japan (SSTJ).

Dr. Collins is widely published, including an editorial in Aviation Week, and an invited speech at the AIAA Wright Brothers Centenary Celebration in Dayton.

Patrick is co-founder of the Space Renaissance International, where he holds the position of Vice-President.

The following are some of the papers and books authored or co-authored by Dr. Collins, many of which are downloadable at:

www.spacefuture.com/cgi/glossary.cgi?gl=who&term=Patrick%20Collins

- A. Autino, P. Collins, A. Cavallo - "Three Theses for the Space Renaissance", 2011, (book), Lulu.com.
- P. Collins & Adriano Autino, "What the Growth of a Space Tourism Industry could contribute to Employment, Economic Growth, Environmental Protection, Education, Culture and World Peace", paper presented at International Astronautical Academy Symposium on Private Human Spaceflight, May 2008, Arcachon, Bordeaux, reprinted in 2010, Acta Astronautica, Vol 66, pp 1553-1562.
- P. Collins - "Economic Benefits of Space Tourism to Europe", 2006, Presented at BIS "European Development in Space Tourism" Symposium.
- P. Collins - "The Economic Benefits of Space Tourism", 2006, JBIS, Vol 59, pp 400-411.
- P. Collins - "Synergies Between Solar Power Supply from Space and Passenger Space Travel", 2004, Proceedings of 4th International Conference on Solar Power from Space, Granada, ESA SP-567, pp 59-64.
- P. Collins - "Space Tourism Market Demand and the Transportation Infrastructure", 2003, Invited speech to the AIAA/ICAS Symposium 'The Next 100 Years' in honour of the Wright Brothers' first flight.
- P. Collins - "Growing Popular Interest in Space Tourism: Challenge and Opportunity for Space Agencies", 2003, IAF paper no. IAC-03-LBN.1.08.
- P. Collins - "The Future of Lunar Tourism", 2003, Invited speech, International Lunar Conference, Waikoloa, Hawaii, 2003, November 20.
- P. Collins - "The Potential Importance of Passenger Space Travel Services", 2003, Journal of Space Technology and Science, Vol 19, No 1, pp 17-26.
- P. Collins - "Space Hotels: Civil Engineering's New Frontier", 2002, Journal of Aerospace Engineering, ASCE, Vol 15, no 1, pp 10-19.
- P. Collins - "Meeting the Needs of the New Millennium: Passenger Space Travel and World Economic Growth", 2002, Space Policy, Vol 18, No 3, pp 183-97.
- P. Collins - "The Cost of Governments' Monopolisation of Space Travel", 2002, Proceedings of Public Choice Society Annual Meeting.
- P. Collins - "Space Tourism: A Remedy for 'Crisis in Aerospace'", 2001, Editorial, Aviation Week & Space Technology, December 10, Vol 155, no 24, p 98.
- P. Collins, O. Thornton - "On the Practical and Sporting Aspects of Football in Zero-Gravity", 2001, Presented at BIS Symposium on The Popular Commercialisation of Space.
- P. Collins - "The Prospects for Passenger Space Travel", 2001, Invited speech to 4th Annual FAA Commercial Space Transportation Forecasting Conference, Arlington, Virginia.
- P. Collins - "Space Policy, Space Tourism and Economic Policy", 2000, 22nd International Symposium on Space Technology and Science, Morioka, Japan
- P. Collins - "Public Choice Economics and Space Policy: Realising Space Tourism", 2000, Acta Astronautica, Vol 48, No. 5-12, pp 921-950.
- P. Collins - "The Space Tourism Industry in 2030", 2000, Proceedings of Space 2000, Albuquerque, ASCE, pp 594-603.
- Peter Diamandis & P. Collins, "Creation of an Accredited Passenger Regulatory Category for Space Tourism Services", 1999, 1st

STA Conference on Space Tourism.

- P. Collins & Yoshiyuki Funatsu - "Collaboration with Aviation: The Key to Commercialisation of Space Activities", 1999, IAF Congress paper No. IAA-99-IAA.1.3.03.
- Hideo Matsuoka*, Makoto Nagatomo, P. Collins, "An Equatorial SPS Pilot Plant", 1999, presented at 50th IAF Congress, Amsterdam, Paper IAF-99-R.3.06.
- P. Collins, Sunao Kuwahara, Tsuyoshi Nishimura, Takashi Fukuoka - "Artificial-Gravity Swimming-Pool", 1998, Proceedings of Space 98, ASCE, pp 744-751.
- P. Collins, Makoto Nagatomo, Takumi Hanada & Yoshihiro Naruo - "Study on airport services for space tourism", 1995, presented at 6th International Space Conference of Pacific Societies, Marina del Rey, CA. USA.
- P. Collins, R. Stockmans, M. Maita - "Demand for Space Tourism in America and Japan, and its Implications for Future Space Activities", 1995, AAS paper no. AAS 95-605, AAS Vol 91, pp 601-610.
- P Collins & David Ashford, "Your Spaceflight Manual", 1990, (book, Headline (UK), Crescent (USA)), 120pp.
- P. Collins - "The Coming Space Industry Revolution and its Potential Global Impact", 1990, Journal of Space Technology and Science, Vol 6, No 2, pp 21-33.
- P. Collins, "European launch vehicle development: a commercial approach", 1989, European Business Journal, Vol.1, No.2.
- P. Collins - "Stages in the development of low Earth orbit tourism", 1989 Space Technology, Vol 9, No 3, pp 315-23.
- P. Collins & David Ashford - "An alternative to Hermes: A solution for the European space industry", 1988, Space Policy, Vol. 4, No. 4.
- P Collins & David Ashford, "Potential Economic Implications of the Development of Space Tourism", presented at 37th IAF Congress, Innsbruck, Paper no. IAA-86-446, and reprinted in 1988, Acta Astronautica, Vol 17, No 4, pp 421-31.

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