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Abstract

Humanity is embarking on a new era of space enterprise. Public and private research institutions worldwide are pursuing innovative approaches to advance space science, exploration and development. Space-faring nations, building upon these innovations, are working to expand and diversify their cosmic ventures. Non space-faring nations will also benefit from the pioneering technologies emerging through this space revolution, which ultimately could provide pathways to engage all of humanity on the frontiers of space.

Recognizing this potential, a network of space professionals are exploring diverse and creative ways to engage government agencies, universities, scientific institutions, commercial space ventures, and international organizations in new ways to promote and enhance worldwide collaboration in space enterprise. This paper will explore these possibilities, and will address (but not be limited to) new educational and capacity-building programs, innovative space initiatives enabled through public-private partnerships, and the creation of multinational alliances to both enable and diversify a broad range of collaborative space ventures.

A short bio

Dr. Joseph N. Pelton is an award winning author/editor of 36 books and over 300 articles in the field of space systems. He is Director Emeritus of the Space and Advanced Communications Research Institute (SACRI) at George Washington University. He served as Chairman of the Board (1992-95), Vice President of Academic Programs, and Dean (1995-96) of the International Space University. From 1988 to 1996, he served as Director of the Interdisciplinary Telecommunications Program at the University of Colorado. He also held executive positions at the COMSAT Corporation and at INTELSAT, where he headed Strategic Planning. He is a Fellow of the International Association for the Advancement of Space Safety (IAASS), and former President of the International Space Safety Foundation. He also is a recipient of the Arthur C. Clarke Foundation's Lifetime Achievement award. He received his Ph.D. from Georgetown University, his Masters from New York University and his BA from the University of Tulsa.