

Saturday, May 26 - MORNING PLENARY (8:30 am - 9:45 am) Grand Ballroom

PANEL PRESENTATION: From Legislation to Reality: Space Tourism 2004-2018

PANELISTS: Rep. Dana Rohrabacher, Dr. George C. Nield and Loretta Whitesides

MODERATOR: Dr. Greg Autry is Assistant Professor, Lloyd Greif Center for Entrepreneurial Studies, University of Southern California Marshall School of Business

Greg Autry moderates a discussion with Rep. Dana Rohrabacher and former FAA AST Administrator George Nield on the governmental role in commercial human spaceflight from the passage of the Commercial Space Launch Amendment Act in 2004 to flights expected later this year. Loretta Whitesides will add the perspective of a soon to fly commercial astronaut.



Dr. Greg Autry is an Assistant Professor, Lloyd Greif Center for Entrepreneurial Studies, University of Southern California Marshall School of Business. Dr. Autry is an educator, writer and technology entrepreneur. Dr. Autry researches entrepreneurship in context of commercial space. He served on the NASA Agency Review Team and as the White House Liaison to NASA. Dr. Autry authored *An Analysis of U.S. National Competitive Advantage in Human Orbital Spaceflight Markets*, for the FAA Office of Commercial Space Transportation (AST). His articles on space, technology and trade have been featured in the *San Francisco Chronicle*, *LA Times*, *Washington Times*, and *Space News* and he is a regular contributor at *Forbes*.



Congressman Dana Rohrabacher is a longtime member of the House Science and Technology Committee. He has been a stalwart supporter of America's space program and an early advocate of the commercial space industry. Congressman Rohrabacher was also served as chairman of the Space and Aeronautics subcommittee from 1997 to 2005. Rohrabacher's Commercial Space Launch Amendments Act of 2004 has been a critical element in the development of the commercial human spaceflight industry. He has also served on the Energy and Environment Subcommittee as well as serving as Chairman on the Oversight and Investigations Subcommittee of the House Foreign Affairs Committee. Prior to his election to Congress in 1988, Dana Rohrabacher served as a speechwriter and Special Assistant to President Ronald Reagan.



Dr. George C. Nield served as the Associate Administrator for Commercial Space Transportation at the Federal Aviation Administration (FAA) from 2008-2018. He has over 30 years of aerospace experience with the Air Force, at NASA, and in private industry. Prior to joining the FAA, Dr. Nield served as Senior Scientist for the Advanced Programs Group at the Orbital Sciences Corporation. His previous assignments include working as an Astronautical Engineer at the Space and Missile Systems Organization, a Flight Test Engineer at the Air Force Flight Test Center, and an Assistant Professor and Research Director at the USAF Academy. He was the Manager of the Flight Integration Office for the Space Shuttle Program at the NASA Johnson Space Center, and later worked on both the Shuttle/Mir Program and the International Space Station Program. He is a member of the Aerospace Safety Advisory Panel, which provides support and advice to the NASA Administrator. A graduate of the United States Air Force Academy, he holds an M.S. and Ph.D. in Aeronautics and Astronautics from Stanford University, and an MBA from George Washington University. He is also a Flight Test Engineering graduate of the USAF Test Pilot School. Dr. Nield is a registered Professional Engineer and a Fellow of the American Institute of Aeronautics and Astronautics.



Loretta Whitesides studied astrobiology at Stanford and Caltech. She worked in the Astronaut Office in Houston, Texas, did research on plant life in the Canadian Arctic, dove to the bottom of the ocean with *Titanic* Director James Cameron to film the IMAX *Aliens of the Deep*, and floated weightless as a Flight Director for Zero Gravity Corporation, studied terraforming Mars with Dr. Chris McKay, worked for the X Prize during the \$10M Ansari X Prize flights in 2004, helped launch the Space Generation Advisory Council in 1999, and co-created Yuri's Night, The World Space Party in 2001. Loretta Hidalgo Whitesides has been a Future Astronaut with Virgin Galactic since 2005.