

Greg Autry - *Curriculum Vitae*

Email: greg@gregautry.us

Phone: 714.366.8920

Education

- PhD 2013** **University of California, Irvine, The Paul Merage School of Business**
Management, Economics & Public Policy concentration.
Strategy Literature Comprehensive Exam
- MBA 2002** **University of California, Irvine, The Paul Merage School of Business**
- BA 1999** **California Polytechnic University, Pomona**
History (+ 72 units of Computer Science)

Academic Experience

Clinical Professor of Space Leadership, Policy and Business, Thunderbird School of Global Management, Arizona State University April 2021 - current

Adjunct Professor, Florida Tech / International Space University

Summer graduate program on space entrepreneurship at Kennedy Space Center. June 2019 – Current

Assistant Clinical Professor, University of Southern California, Lloyd Greif Center for Entrepreneurial Studies, Marshall School of Business. August 2014 – July 2020

Adjunct Professor, Lloyd Greif Center for Entrepreneurial Studies, Marshall School of Business, University of Southern California. August 2013 – July 2014

Adjunct Lecturer, Paul Merage School of Business, University of California, Irvine. 2003 – 2008 and 2014

Adjunct Lecturer, Argyros School of Business and Economics, Chapman University. Spring 2013

Governmental / Non-Profit Experience

Chair, Safety Working Group of the U.S. Commercial Space Transportation Advisory Committee (COMSTAC), FAA Appointed by Secretary of Transportation, Elaine Chao, to Federal Advisory Committee (FACA). June 2018 – April 2020. Reappointed May 2020 thru 2022.

Nominee, Chief Financial Officer, National Aeronautics and Space Administration (NASA), Nomination July 27, 2020. Confirmation process delayed by COVID, unexpected Supreme Court Justice Confirmation and other “2020 issues.” Cleared committee by vote on December 2, 2020. Senate failed to schedule a full vote before final session and nomination expired on January 2, 2021.

Director, Pacific Commercial Spaceflight Initiative, Aldrin Space Institute (formerly Southern California Commercial Space Flight Initiative at the University of Southern California). Research work funded by sub-award grant from FAA AST and industry. 2018 – Current

Vice President of Space Development, National Space Society

The oldest and most important grassroots space advocacy organization. May 2018 – Current

Member, Agency Review Team, National Aeronautics and Space Administration (NASA)

Member of eight-person executive team tasked with reviewing, analyzing, prioritizing NASA's goals, programs and budgets and forwarding policy recommendations to the White House. The centerpiece of these recommendations was the sustainable return to the Moon program (Artemis) leveraging international and public-private partnerships. This program has been re-endorsed by the Biden administration. December 2016 – January 2017

White House Liaison, National Aeronautics and Space Administration (NASA) Temporary

Appointment as NASA employee responsible for interfacing to the White House and onboarding new leadership. January 2017 – February 2017

Entrepreneurial and Professional Experience

Co-Founder, 121C Inc. / Elevated Materials

Commercial spacecraft carbon fiber upcycling into OEM manufactured goods. Raised over \$200k in crowdfunding and \$1.2million in private seed capital. Negotiated material supply with SpaceX, Virgin and Boeing. 2014 – Current

CEO, Network Corps

Enterprise application development firm focused on Health Care solutions for Kaiser Permanente. Apple authorized developer. (Sold network-engineering division to Enhanced Technologies) January 1997 – August 2014

CEO, Wired Images

Digital Web Content production for Internet retailers, sold to PlanetRx.com. 1999 – 2000

Technical Services Manager, CompuCom Systems

Managed service operations for IT solutions at CompuCom after being acquired. 1994 – 1997

CEO, Riverside Doctor Micro Computer Services

Apple authorized dealer and Computer services firm sold to CompuCom Systems (NASDAQ: CMPC) in 1994. 1986 – 1994

Programmer, Hemascience Labs / Baxter Fenwal

Software development for medical device. 1984 – 1986.

Software Engineer, Honeywell Training and Control Systems Division

Software for production engineering on various military projects. 1983 – 1984

CoFounder & CEO, HAL LABS

Entertainment Software developer. Founded in high school, this firm developed Atarisoft PAC MAN for Apple II and was eventually reorganized by my partner as Future Point and sold to Blizzard Entertainment. 1981-1994

Academic Service

Online MBA Curriculum Committee, USC Marshall, 2019-2020

Faculty Recruiting Committee, USC Greif Center, 2018-2019

IT Committee, USC Marshall, 2016-2020

Clinical Faculty Committee, USC Marshall, 2015-2016

Co-Director Maseeh Entrepreneurship Prize Competition, Viterbi School of Eng., 2014-2017

Council on Sustainability Education, University of California Irvine, 2012 – 2013

Outside Boards and Service

Editorial Board, New Space Journal

Peer reviewed journal focused on entrepreneurial space activities, founded by Dr. G. Scott Hubbard, Stanford University. 2015 – current

Editorial Board, Space Force Journal

Peer reviewed journal focused on issues related to the United States Space Force and strategic leadership in the space domain. 2020 – current

Advisor, Relativity Space

Advised former USC students Jordan Noone and Tim Ellis since the founding of their 3D Printed Rocket startup. Signed as official Advisor in 2019. Firm has raised over \$650 million.

Member of the Board, National Space Society

World's largest non-profit advocacy organization for space settlement. Founded by Werner von Braun (NSI) and Gerard K. O'Neill (L5). 2018 – current

Board Member, Interstellar Labs

New Space Startup headquartered in Paris, France. Dedicated to producing enhanced environmental control and life support systems (ECLSS) via a closed environment habitat (biadome) research and eco-tourist destination. Facilities targeted for construction in Mojave California and Kennedy Space Center. 2019 – Current

Chair, USC Commercial Spaceflight Initiative Workshops.

Speakers included: Charlie Bolden, Former NASA Administrator; Scott Pace, National Space Council Executive Secretary; George Whitesides, CEO Virgin Galactic; Kevin O'Connell, Director of the Office of Space Commerce; Brigadier General Steven Butow, Defense Innovation Unit. Fall 2018 & 2019.

Chair, International Space Development Conference 2019, Washington DC

One of the largest space conferences with @1,500 attendees. Speakers included: NASA Administrator Jim Bridenstine, NASA Associate Administrator for Science Mission Directorate Thomas Zurbuchen and National Space Council Executive Secretary Scott Pace.

Advisory Board Member, Coalition for a Prosperous America, 2017 – Current

Board Member, China California Heart Watch, 2011 – 2012

Board Member, American Jobs Alliance, 2012 – 2016

Senior Economist, Coalition for a Prosperous America, 2013 – 2016

Leader, U.S. Young Scholar & Experts Delegation to the Republic of China (Taiwan), 2012

PhD Class President, The Paul Merage School of Business, University of California, Irvine, 2008

Grants

FAA Office of Commercial Space Transportation grant, \$65,000 annual sub-award via the Aldrin Space Institute, Florida Institute of Technology. Raised matching funds from industry participants including Deloitte, SpaceX, Virgin, Aerospace Corp, JPL and NASA Ames. *Pacific Commercial Spaceflight Initiative*

Interdisciplinary Teaching Grant, \$20,000, Greg Autry (Marshall School of Business), Dana Milstein (Dornsife College of Letters, Arts and Sciences - Writing Program), and Vahe Perroomian (Dornsife College of Letters, Arts and Sciences - Physics and Astronomy) - *Terraforming Mars: A Sustainable Habitation and Development of Humanity's Second Home*

Awards

PhD (peer) Teaching Awards 2010 and 2011, “Good with MBA Students Award” 2012

PhD Cohort President, Paul Merage School of Business, University of California, Irvine, 2008

Outstanding Teaching Assistant: Full Time, Fully Employed, and Executive MBA cohorts, 2012

Outstanding Teaching Assistant: Fully Employed and Executive MBA cohorts, 2011

Outstanding Teaching Assistant: Full Time, Fully Employed, and Executive MBA cohorts, 2010

Research Interests

Governmental influence on entrepreneurial environments

Commercial spaceflight, space policy and UAS policy

Innovation policy, trade policy, technology transfer and national competitive advantage

PhD Dissertation

Title: *Governmental Roles in the Emergence of New Communities of High Technology Organizations*

Committee: *Yan Gong, Peter Navarro, Claudia Bird Schoonhoven*

Proposal Defended: July 18, 2012; **Dissertation Defended:** July 25, 2013 **PhD Awarded:** September 2013

Description: This dissertation examined the government influence on the environment in which a new community of entrepreneurial organizations emerges. The research context is New Space, entrepreneurial firms pursuing commercial space launch, satellite and related businesses. This dissertation contributes to the entrepreneurship, community ecology and institutional theory literatures.

Publications

Selected Academic Papers and Case Studies

- Autry, Greg. "The functions of the FAA's commercial space transportation advisory committee: The safety working group's 2020 tasker as context." *Journal of Space Safety Engineering* (2021).
- Autry, G., Aldrin A. & Coutu, S. 2021 "An Economic Analysis of the Value of Space Flown Objects" (working paper)
- Autry, G., Aldrin A. 2021 "Selling the Moon: Masten Space" (working case study)
- Bhattacharya, B., Autry, G & Perry V. 2020 "Relativity Space: Rocketing into the Future of Manufacturing," *Greif Center Collection, Harvard Business School Publishing Case Catalog*
- Autry, G. & Obasaju, L. 2018 "Mojave Spaceport: Entrepreneurship in the Public Sector," *Greif Center Collection, Harvard Business School Publishing Case Catalog*
- Autry, G. September 2018. "Commercial Orbital Transportation Services: A Case Study for National Industrial Policy," *New Space Journal*. Vol. 6, No. 3.
- Autry, G., Huang, L. 2014. "An Analysis of the Competitive Advantage of the United States of America in Commercial Orbital Human Spaceflight," *New Space Journal*. 2(2): 83-110 Based on research commissioned by the FAA Office of Commercial Space Transportation
- Autry, G., Huang, L. 2016 Strawther, Zhu, "XCOR Aerospace: New Space, New Place?" *Greif Center Collection, Harvard Business School Publishing Case Catalog*
- Autry, G., Huang L., Dann, Kim, Siward, "RelishMIX: Building Social Media Management Tools for Hollywood" *Greif Center Collection, Harvard Business School Publishing Case Catalog*
- Autry, G. 2011. "Space Policy, Intergenerational Ethics and the Environment," *Proceedings of the American Institute of Aeronautics and Astronautics*. AIAA 2011-7033

Selected Academic Conference Presentations

- Autry, G. and Davidian, K. 2019, "Process Approach for Organizational Change and Innovation Research", *Research Caucus, Academy of Management Conference*, Boston MA. Panel: Andy Van de Ven, Jennifer Woolley, Andy Aldrin
- Autry, G. and Davidian, K. 2014 "Overview of U.S. National Competitive Advantage in Human Orbital Spaceflight," *American Institute of Aeronautics and Astronautics Annual Conference 2014*
- Huang, L. and Autry, G. "Rebels with a Cause: Perceptions, Beliefs, and the Cooperative Dynamics of Entrepreneurs in the Emergence of the New Space Industry," *Presentation at Babson College Entrepreneurial Research Conference, 2014*

Published Book

- Navarro, P. and Autry, G. 2011. *Death by China: Confronting the Dragon, A Global Call to Action*. Prentice Hall / Pearson. Amazon Bestsellers Ranks on 4/25/2018: #3 International Economics, #5 Political Freedom, #1 Trade & Tariffs

Textbook

Autry, G. *Small Business Management: The New Entrepreneurial Dynamic*. Manuscript complete. Publication by Flatworld, Fall 2021.

Book in Progress

Autry, G. *3,2,1 . . . Disrupt*. This book will provide case studies of ten entrepreneurial teams creating spacecraft technology startups in the emerging community known as “New Space.” Forward by Charlie Bolden. Participating firms: Rocket Lab, Made in Space / Redwire, Sierra Nevada, Lynk, Virgin Orbit, Planet, Elevated Materials, Masten Space Systems, Interstellar Lab, Voyager.

Selected Business Press Articles

Autry, G. January 26, 2021 “Oh No, Not Again: The Moon vs. Mars,” *Forbes*

Weeden C. and Autry, G. February 8, 2021 “In Defense of Regulation,” *Space News*

Autry, G. June 20, 2019 “Space Research Can Save the Planet - Again,” *Foreign Policy*

Aldrin B. and Autry, G. September 20, 2017 “It Doesn’t Take a Rocket Scientist to Run NASA”, *Space News*

Autry, G. 2012 “New Space”, *Global Trade*: 82-91.

Autry, G. and Navarro P. 2009 “Leveraging Business Cycle Ups and Downs,” *Financial Executive Magazine*: 36–41

Forbes Contributor (regular)

Numerous other pieces in: *Space News, The San Francisco Chronicle, The Los Angeles Times, The Orange County Register, The Baltimore Sun, Huffington Post*

Conference Presentations and Panels

“Trade Tensions”, *UBS European Conference*, London, UK. November 12, 2019

“The Economist Debate: Free Trade”, *World Trade Symposium* (The Economist), New York City, November 7, 2019. Voted debate winner by audience.

“Mission Opportunities: Gateway to the Three Comma Club”, Panel Moderator with: General Steven Butow; Col. Charles Miller Belmont; Tow Cwik, NASA JPL; Steven Isakowitz, CEO Aerospace Corp. *Air Force Space Pitch Day*, San Francisco, CA. November 6, 2019

“Failure is an option: Lessons from the Commercialization of U.S. Spaceflight”, *UDIP Conference*, Oxford University, UK. Plenary Session, August 1, 2019

“Japan - U.S. Conference on Peace in Northeast Asia 2019”, Panelist with former senior US, Japan, Korea diplomats and military leaders, Tokyo Japan, January 17, 2019

“Space Force”, Panel Moderator with: Doug Loverro, former Deputy Sec. Def.; Terry Virts, former NASA Astronaut; George Nield, Former FAA Ast. Admin.; Brian Weeden, Secure World Foundation. *Politicon*, Los Angeles, CA, October 12, 2018

“Commercial Space Regulation” Panel Moderator with: Rep. Dana Rohrabacher, Dr. George Nield, Lorretta Whitesides. *International Space Development Conference*, Los Angeles, CA, May 27, 2018

“Funding Innovation” *Space Symposium, Tech Track Speech*, Colorado Springs, CO, May 14, 2018

“Space Policy in the Trump Age” *Space Technology and Investment Forum*, Plenary Session, San Francisco, CA., August 30 2017

“Commercial Spaceflight” *Heritage Foundation, Eagle Forum Collegians Summit* Washington, D.C., July 19, 2017

“The View from Beijing: Chinese Space Efforts Past, Present and Future” *Space Technology and Investment Forum*, Plenary Session, San Francisco, CA., August 2016

“Debate on the Trans Pacific Partnership” *American Manufacturing Strategies Summit*, v. Dan Ikenson, CATO. Costa Mesa, California, November 2015. Voted debate winner by audience.

“Overview of U.S. National Competitive Advantage in Human Orbital Spaceflight” *American Institute of Aeronautics and Astronautics (SPACE 2014)*, San Diego, California, September 2014

“Overview of PARTS Analysis”, *Emerging Space Industry Leaders Workshop*, Stanford University Department of Aeronautics and Astronautics, Stanford, California May 29-30, 2014

“California’s New Space Industry”
Panel Moderator, *California Democratic Party Convention*, Sacramento, California, April 29, 2011

Governmental Testimony and Presentations

“America Can Afford a Future,” *Nominee (NASA CFO) Testimony to the U.S. Senate, Committee on Commerce, Science and Transportation*, Russel Senate Office Building, Washington, D.C. November 10, 2020

“China's Endgame Strategy - Leveraging US Capital and Research to Leapfrog America in Cyber, Military and Space Tech" *Congressional Defense Forum Foundation Policy Forum*, Capitol Hill, Rayburn Congressional Office Building, Washington, D.C. June 23, 2017

“Cyber Attacks: An Unprecedented Threat to U.S. National Security”
Testimony to the U.S. House of Representatives, Foreign Affairs Subcommittee on Oversight and Investigations, Washington, D.C. March 21, 2013

“The Price of Public Diplomacy with China”
Testimony to the U.S. House of Representatives, Foreign Affairs Subcommittee on Oversight and Investigations, Washington, D.C. March 28, 2012

“Exposing the Cost of China's Cyber Assault Against America”
Congressional Defense Forum Foundation Policy Forum, Capitol Hill, Rayburn Congressional Office Building, Washington, D.C. September 20, 2013

“Grounding China’s Reality Distortion Field”, *House of Commons*, Ottawa, Canada, Nov. 2, 2011

Certifications

FAA Remote Pilot in Charge Certification (commercial drone operator part 107), April 2017

Microsoft MCSE (certified systems engineer), 1997

Cisco CCNA (certified network administrator), 1998

PADI Open Water and Nitrox Diver, NAUI Advanced Diver