

Nancy Egan



General Counsel & EVP of Policy
3D Robotics, Inc.

Nancy Egan is the General Counsel and
EVP of Policy of 3D Robotics, Inc. (“3DR”).
3DR is a leading maker of unmanned aerial
vehicles – including its flagship product the
Solo. Nancy is responsible for legal and
policy matters at 3DR. Nancy recently

served as the industry co-chair of the FAA micro UAS ARC. Prior to joining 3DR, Nancy
was the General Counsel of Nanometrics (NASDAQ:NANO). Nancy holds a Bachelor’s
degree in political science from the University of Buffalo and a juris doctor from the
Notre Dame Law School.

Jeffery Antonelli



Antonelli Law

Jeffrey Antonelli launched one of the first Drone/UAS Practice Groups in the country in 2014 after discovering drone technology in his RC aircraft hobby. The practice has now grown to more than 50 clients nationwide including billion dollar engineering, construction, and telecom concerns, GIS professionals, cinematographers, real estate companies, a news organization, and a forensic specialist. In addition to providing Section 333 and Public COA services, with the firm advises clients on complex aviation needs, digital privacy, tax, contracts, intellectual property, employment law and civil

litigation. This is made possible in large part due to his co-counsel Kate Fletcher, attorney and pilot for the world's largest airline; Washington DC regulatory and telecommunications attorney Mark Del Bianco; and aviation consultant Douglas Marshall.

Jeffrey is a member of the federal trial bar of the Northern District of Illinois and is admitted to numerous federal courts around the country. He has been a civil litigator for 15 years in a broad range of actions representing corporations and individuals as plaintiffs and defendants in federal and state court.

In late 2015 he founded a TourFPV, a tourism company whose aim is to provide live aerial tours by drone, narrated by tour guides. He is finding the challenges of local city approval in Chicago to be more daunting than the FAA challenges of Section 333.

Before attending law school, Jeffrey was interested first in business, and then in biomedical ethics. These interests led him to graduate from the nation's largest philosophy department at Loyola University in Chicago, where some of his favorite (and most challenging) subjects were cognitive science and philosophy of science. During college he held positions at the University of Chicago's Ben May Institute, as a medical assistant for a University of Chicago surgeon, and volunteered in the emergency room at the University of Chicago Hospitals. These experiences led to his studying health law at the DePaul College of Law where he earned his law degree and certificate in health law. At the time he was accepted, DePaul's Institute for Health Law was consistently ranked in the top 10 health law specialty programs nationwide.

When he has spare time Jeffrey enjoys flying his DJI Inspire and traditional rc airplanes

Paul Beard



Inventor DVR, Internet radio, SlingBox®, Spektrum®. Former CTO at Norand, Zymos, Alation, Cypress Semiconductor, and Horizon Hobby

Paul Beard is the inventor of, for example, the digital video recorder (DVR), Internet radio, SlingBox®, and Spektrum®. He has held the position of CTO at Norand, Zymos, Alation, Cypress Semiconductor, and Horizon Hobby. He holds a Bachelor of Science in Electrical Engineering from the University of Manchester (UK). He holds over 60 patents and is a hall-of-fame member of the Academy of Model Aeronautics and the International

Radio Control Helicopter Association. Paul was also the Oleg Antanov awardee of the Fédération Aéronautique Internationale. Paul is both an airplane and helicopter pilot. He enjoys piloting his Bell Jet Ranger in and around Flathead Lake and Glacier National Park.

Fred Borda



Co-founder and C.O.O., Aerial Innovation

Fred Borda is Co-founder and C.O.O. of Aerial Innovation, a Silicon Valley consulting firm focused on the advancement of commercial unmanned aerial in the U.S. and Japan. Aerial Innovation is working with the public sector and leading private enterprises in Japan and the U.S. to lay the technology and infrastructure groundwork for widespread adoption of commercial drones. Fred has been working with Japan's technology sector for over 20 years, advising large telecommunications and IT R&D organizations on technology and strategy. Before that he worked in Tokyo for a Japanese research and marketing strategy consulting firm. Fred founded Aerial Innovation in 2016 with well-known Japanese tech journalist Ryoji Koike because what's cooler than helping to create the future of flying robot networked supercomputers?

Michael Chambliss



International Cinematographers Guild

Michael Chambliss is a technologist and business representative for the for the International Cinematographers Guild (ICG), IATSE Local 600, focused on new production technologies impacting directors of photography and their camera crews. He has been working closely with FAA-exempt UAS motion picture and television aerial operators, regulatory agencies, insurers, the motion picture and television Industry Wide Safety Committee, industry guilds, and community based UAS groups to implement this technology as new visual storytelling technique.

As a specialist in motion picture and television production technology, Michael has been part of the development of patented workflow innovations, on-set robotics systems, and served as a consultant for venture investment groups. He is a member of the American Society of Cinematographers Technology Committee and the Virtual Cinema Committee as well as being the ICG's representative on USC's Entertainment Technology Center projects.

Prior to the ICG, Michael was a principal of Chambliss-Wolff Films, a TV commercial production company. He has also been a director of photography and camera operator on motion pictures and television series as well as being a Peabody Award winning documentary director/DP. His credits include work on "Traffic", "Rat Race", "Perfect Storm", "The Italian Job", "Ocean's 11", "Scrubs" and "Pushing Daisies". His photography and paintings can be found in the permanent collection of the Art Institute of Chicago and Museo Victorio Macho (Spain), and were selected for an Eames Design Group exhibition.

Goksel Dedeoglu, Ph.D



PercepTonic

Goksel is the Founder and Lab Director of PercepTonic, his Dallas-based startup where he formulates embedded vision solutions for next-gen products. Thanks to the Robotics Institute at Carnegie Mellon and seven years with Texas Instruments' R&D labs, Goksel is a recognized expert in Computer Vision with patents and product contributions in automotive safety, video analytics, face and gesture recognition, and augmented reality.

Goksel has been working with autonomous systems including drones for over 20 years. When he's not busy prototyping, Goksel is presenting at an industry event or organizing an IEEE workshop. His end-to-end expertise in HW and SW make him a most sought-after advisor on "All Things Vision."

Jonathan Downey



CEO, Founder & CEO, Airware

Jonathan Downey is the Founder and CEO of Airware, a San Francisco-based company that has developed an operating system for commercial drones, allowing enterprises to take full advantage of aerial data for any commercial application. Airware's Aerial Information Platform combines hardware, software, and cloud services to enable companies to quickly customize, efficiently manage, and safely and reliably operate commercial drones at scale. Jonathan is the General Partner for Airware's Commercial Drone Fund, a fund launched to accelerate innovation in the commercial drone space. He is also a member of the Board of Directors for the Association for Unmanned Vehicle Systems International (AUVSI), the largest unmanned systems organization in the world.

Jonathan began working on the development of small UAS over a decade ago by designing a modular avionics system while pursuing his B.S. in electrical engineering and computer science at the Massachusetts Institute of Technology (MIT). After graduation, Jonathan joined Boeing as a software engineer and contributed to the development and flight testing of the A160T Hummingbird, a 6,500 lb fully-autonomous helicopter, which broke the world record for longest endurance helicopter flight and regularly flew within the National Airspace System (NAS).

Jonathan founded Airware in 2011 due to both personal and industry frustrations with the inflexible and costly "black box" autopilots on the market which impeded the development of drone solutions for an increasingly diverse set of commercial applications. He has since led Airware to raise over \$40 million in venture capital from top investors in Silicon Valley including Andreessen Horowitz, Kleiner Perkins Caufield Byers, First Round Capital, Google Ventures, GE Ventures, and Intel Capital. He is an instrument-rated commercial multi-engine pilot with experience flying small singles up through twin turboprops.

Marke F. Gibson



Senior Advisor

Unmanned Aircraft Systems Integration

In September 2015, Marke Gibson joined the Federal Aviation Administration (FAA) as the Senior Advisor, Unmanned Aircraft Systems (UAS) Integration. He provides executive direction and high level leadership to the FAA with responsibility for oversight of the work related to UAS. In addition, he is responsible for developing and delivering business and strategic plans for enterprise-level UAS initiatives, analyzing integration progress, engaging in scientific and research activities, and maintaining liaison with internal and external stakeholders.

Prior to joining the FAA, Mr. Gibson served as the Executive Director of the NextGen Institute (NGI). The primary role of NGI is to provide a mechanism through which the private sector actively engages with the USG in defining, developing, and implementing NextGen. In that position, he promoted the NextGen Institute throughout the industry, created awareness and gained new support for NextGen initiatives. During his tenure at NGI, he led two UAS Spectrum working groups, an FAA Global Leadership Roundtable, and commenced work on an ADS-B initiative on behalf of the Deputy Administrator.

Mr. Gibson also served as the President and CEO of a highly successful aerospace consulting practice in Colorado. He retired in 2011 as the Air Force's Director of Current Operations and Training. In that role, he led the standup of a new cyber career field and its integration into Air Force operations. He also worked on behalf of the Secretary and Chief of Staff of the Air Force ways to better integrate Unmanned Aircraft Systems into our national airspace. This involved continuous engagement within the interagency (FAA and Homeland Defense) and numerous congressional delegations. As the Director of Training, he was also responsible for the standup of a separate career field and unique training path for those who fly Air Force Remote Piloted Aircraft today.

Mr. Gibson was at Cheyenne Mountain on 9/11 and worked as the Director of North American Aerospace Defense Command Operations to establish many of our Nation's integrated defense measures that are still in effect today. He has extensive operational leadership experience as an Air Force pilot and Commander. His expertise includes aerospace operations (both military and civil), UAS operations, cyber operations, command and control (C2), and homeland defense.

Mr. Gibson earned a Bachelor of Economics and Management from the United States Air Force Academy. He also received a Master of Business Administration from the University of Northern Colorado and a Master of National Security Affairs from the National War College. He completed a national security fellowship with Syracuse University and trained in lean six-sigma management through the University of Tennessee.

Heller Gregory



GrandView Services

Heller Gregory is the founder and president of Bay Area based GrandView Services, LLC. GrandView is one of Northern California's first UAV companies focused on data acquisition and processing for civil engineering, geotechnical, heavy construction, and environmental monitoring. Ms. Gregory is a licensed private pilot who has been involved in digital imaging and communications for more than 25 years and with the civil, geotechnical, and earthwork construction industry for more than 20 years. Since 1993 she has served on the board of directors of Cal Engineering & Geology, Inc. Heller was easily drawn to piloting UAV's for some of the more practical applications that she was familiar with through her involvement in engineering and construction. Since starting GrandView less than one year ago, she has worked through the available UAV technologies, platforms, and processing software and has been able to provide practical deliverables for a variety of projects including periodic monitoring of landslide prone hillside areas, earth work grading, and development of photogrammetrically-derived digital terrain models and other CAD ready files. Heller is a graduate of Cal State University, Northridge and holds a Bachelor of Arts degree in Television and Communications.

Ken Gracey



California-credentialed educator,
CEO of Parallax

Ken Gracey is a California-credentialed educator and the CEO of Parallax. Parallax is a 40-person team focused on embedded electronics education. Recently the company designed and fabricated the Propeller Multicore Microcontroller, the first open source ASIC of its type. Ken is regarded as an enthusiastic advocate of American manufacturing, the company staff and specifically the educational customers. He

started Parallax's embedded electronics educational program in 1997 and has continued to lead it with new curriculum in process control, sensors, robotics and most recently small Unmanned Aerial Systems (sUAS) with the company's ELEV-8 V3 quadcopter. The venture into sUASs brought forth many unique considerations not relevant with small robots such as classroom management, safety, facilities, learning objectives, employment opportunities and cost. This Spring Parallax has enrolled 20 educators in their first-ever three-day sUAS Educator's Course at the company's Rocklin, California headquarters.

In his spare time Ken builds robots, runs his own week-long whitewater expeditions, and enjoys outdoor activities throughout the Sierra Nevada mountains with his family

Tero Heinonen



Sharper Shape, Finland

Tero, founder and CEO of Sharper Shape, is an entrepreneurial and experienced start-up executive with a successful track record and experience from international high tech business management, sales and technology management with excellent industry knowledge of several industries, and target-driven hands-on attitude. Tero has co-founded 5 technology companies, where he has served as CEO and/or Chairman. Since 2000 Tero has been focused solely on startups, including Maventa Ltd (exit 2013), Uoma Oy (exit 2010), Tema Networks Ltd, Helmi Technologies

Inc., CargoTrax Ltd, BLStream Ltd, Locus Portal Corp. (exit 2004), Synapse, and Optiwise Inc. Before startups Tero worked in business development at Stonesoft Corp (IPO 1999) and in business management at Tekla Corp. Tero started his career as a software developer in 1986.

E. Raymond Hunt



Research Physical Scientist, USDA
Agricultural Research

E. Raymond Hunt, Jr. (Ray) is a Research Physical Scientist with the USDA Agricultural Research Service at the Beltsville Agricultural Research Center in Beltsville, Maryland. He received his BS from Ohio University and a PhD in plant biophysical ecology from the University of Michigan. Starting in 2000, he became involved with a NASA- and ARS-funded educational program, El Ingeniero/Imagine Excellence, and developed a class project taking photographs from

radio-controlled model aircraft in order to teach science, engineering, and math. This project quickly evolved into research using small UAS for precision agriculture. Dr. Hunt is a fellow of the American Society of Agronomy and a member of the American Society of Photogrammetry and Remote Sensing and the International Society for Precision Agriculture.

After the PhD, Dr. Hunt was a postdoctoral research associate at UCLA and at the Jet Propulsion Laboratory. In 1989, he joined the School of Forestry, University of Montana, as a research assistant professor developing algorithms for NASA's Moderate resolution Imaging Spectroradiometer (MODIS). Then in 1995, he was an assistant professor in the Botany Department, University of Wyoming, where he used hyperspectral imagery (AVIRIS) to detect the noxious and invasive plant species, leafy spurge. For the last 17 years, Dr. Hunt conducted research with the USDA-ARS Hydrology and Remote Sensing Laboratory on remote-sensing methods to enhance agricultural productivity, to manage nitrogen fertilization, and to protect natural resources. He has produced over 150 publications from his research. His paper, "Acquisition of NIR-Green-Blue Digital Photographs from Unmanned Aircraft for Crop Monitoring," was named "Best Paper 2010-2014" in the journal, Remote Sensing.

Dr. David W. Johnston



Assistant Professor of the Practice of Marine Conservation & Ecology at Duke University, Director of the Duke Marine Lab's Unoccupied Systems Facility

Dr. David W. Johnston is an Assistant Professor of the Practice of Marine

Conservation & Ecology at Duke University and Director of the Duke Marine Lab's Unoccupied Systems Facility. Johnston holds a PhD from Duke University and received post-doctoral training at the Monterey Bay Aquarium Research Institute in California. His professional experience ranges from leading research programs for NOAA to working as an ecologist within the NGO sector. Johnston's research program focuses on the ecology and habitat needs of marine vertebrates in relation to pressing conservation issues such as climate change, habitat loss, ocean noise, incidental mortality and overharvests. He has published extensively in top journals in the fields of conservation biology, oceanography, marine ecology and marine policy on research that spans tropical, temperate and polar biomes. Johnston is currently using small UAS for a range of marine science and conservation projects, from coastal resiliency to marine vertebrate population assessments and behavioral studies.

Parimal Kopardekar (PK)



NASA NextGen Concepts and Technology Development Project

Parimal Kopardekar (PK) serves as the Manager of the NASA's NextGen Concepts and Technology Development Project. He has published more than 40 articles. He enjoys initiating new concepts and technology ideas that increase airspace capacity and

throughput, reduce delays, and reduce the total cost of air transportation. At NASA, he has initiated many innovative research initiatives including reduced crew operations, net-enabled air traffic management, autonomy for airspace operations, Shadow-Mode Assessment using Realistic Technologies for the National Airspace System (SMART NAS), and low-altitude airspace management system focused on UAS operations. He is recipient of numerous NASA awards including Outstanding Leadership Medal and Engineer of the Year. He holds Ph.D. and M.S. degrees in Industrial Engineering and Bachelor's degree in Production Engineering. He also serves as the Co-Editor-in-Chief of the Journal of Aerospace Operations.

Douglas M. Marshall, J.D.



President, TrueNorth Consulting, LLC

Douglas Marshall, President, TrueNorth Consulting, LLC, an aviation consulting organization specializing in regulations, standards and legal issues relating to the integration of unmanned and remotely piloted aircraft into civil airspace.

Adjunct Professor of Law, De Paul University College of Law, delivering a new course on Unmanned Aviation Systems Law in the fall of 2016.

Previously served as Division Manager, UAS Regulations & Standards Development at the Physical Science Laboratory, New Mexico State University, and prior to that held an appointment as Professor of Aeronautics at the University of North Dakota. He has been engaged full time on UAS related activities for over 11 years, is the co-editor of two books related to aviation, co-author of “Introduction to Unmanned Aircraft Systems” (1st and 2nd Editions) and is the author of numerous published articles on aviation law, regulations and remotely piloted aircraft.

He has served on RTCA SC-203, ASTM F-38 and SAE G-10 Committees, the AUVSI Advocacy Committee, the Arctic Monitoring and Assessment Program UAS Expert Group, the Small UAS Aviation Rulemaking Committee and the current Micro UAS Aviation Rulemaking Committee. He has also served on the Steering Committee, Civil Applications of Unmanned Aerial Systems Conference, Boulder, CO. and several other committees dedicated to the development of UA systems and has delivered presentations on international aviation regulations and airspace issues at conferences around the world.

Professor Marshall received a Bachelor of Arts degree at the University of California, Santa Barbara and a Juris Doctor from the University of California’s Hastings College of the Law. He also holds a commercial pilot’s certificate, has co-owned two GA aircraft and operates a registered unmanned aircraft just for fun

Tad McGeer



Aerovel

Tad McGeer is Aerovel's founder and president. He trained as an aeronautical engineer at Princeton and Stanford, and then joined the new Engineering Science faculty at Simon Fraser University in his native British Columbia.

There he developed the concept of [passive dynamic walking](#), which went on to be adopted as a paradigm for study of human locomotion and design of legged robots.

In 1990 he returned to aeronautics, joining a Virginia start-up, [Aurora Flight Sciences](#), as Chief Scientist. He headed early design studies on the *Perseus* and *Theseus* unmanned research aircraft, and then proposed the *Aerosonde* miniature aircraft concept for [long-range weather reconnaissance](#). This led to founding of the [The Insitu Group](#), beginning in a Silicon Valley garage in 1992, and moving to the Columbia River Gorge in 1994. Insitu pioneered development of miniature robotic aircraft in worldwide trials, under conditions ranging from [arctic winter](#) to [severe tropical thunderstorms](#). *Aerosondes* made the [first unmanned Atlantic crossing](#) (1998), [first unmanned typhoon reconnaissance](#) (2001), and [first unmanned eye penetrations into tropical cyclones](#) (2005). In 2000, Dr McGeer began design of the *Seascan* miniature aircraft for long-endurance imaging reconnaissance. *Seascan* made the [longest-ever flight for a ship-based aircraft](#) in 2004, while the *GeoRanger* variant made the first unmanned geomagnetic surveys, and the *Scaneagle* military variant was adopted by the US Marines and Navy. Dr McGeer directed Insitu's engineering program for more than 10 years, with particular responsibility for conceptual and configuration design, performance, dynamics and control, avionics, algorithms, simulation, and onboard and ground software. During his tenure the company grew to more than 100 employees and more than \$20M/year in revenue, with [recognition](#) as one of the fastest-growing technology firms in North America. The company went on to be bought by Boeing in 2008 for a reported \$400M, and has become the [largest employer](#) in the Columbia Gorge. Two further companies, [Aerosonde Pty Ltd](#) and [Cloud Cap Technologies](#), were meanwhile started by Insitu technology and alumni. In 2006 Dr McGeer himself joined with his Stanford classmate and Insitu co-founder [Andy von Flotow](#) to start [Aerovel](#) for development of the *Flexrotor* concept. He continues to serve as an affiliate faculty member in [Aeronautics & Astronautics at the University of Washington](#), and as founder and committee chair for the [W Prize](#).

Terry Miller



President of Transport Risk Management, Inc. and Unmanned Risk Management

Terry founded Transport Risk Management in 2003 because he recognized the opportunity to innovate an industry and do things better than they were being done.

Transport Risk is a pioneer in the field of UAS insurance and has developed many systems unique to UAS insurance including an innovative aircraft registration system and insurance quote submission and policy management systems. Today, Transport Risk insures thousands of UAS for thousands of different uses around the world and more than 25 UAS manufacturers.

In addition to his twenty year career in the aviation insurance industry as both an underwriter and broker, Terry is a graduate of Embry-Riddle Aeronautical University with Bachelors of Science in Professional Aeronautics; Aviation Business Administration and Aviation Safety.

Prior to attending Embry-Riddle, Terry served as a member of the United States Marine Corps where he worked as a signals intelligence electronic warfare technician.

Knut Torbjørn Moe



Squarehead Technology

Mr. Moe, a Norwegian citizen, directs drone detection solutions at Squarehead Technology in Oslo. The company has delivered premium audio detection solutions for customers worldwide since 2004.

He has managed multiple industrial and law enforcement drone projects in North America, Southern Africa, Middle East, Europe, The Arctic and Scandinavia, and has dealt with risk analysis and capability mapping of drones for the last decade. He is also an accredited drone operator on various systems, and an expert of counter drone tactics and systems.

Before joining Squarehead, Mr. Moe was Special Projects Manager Aerialtronics in The Hague, Director of Operations at EYE Remote Solutions in Geneva, and Director of Sales of Ansur Technology in Oslo. He has also served on the board of the Norwegian business association for drones, UAS Norway, since 2011, and is frequent international lecturer on drone security.

Kevin Nasman



Senior Systems Engineer, Gryphon Sensors, LLC

Kevin Nasman is a Senior Systems Engineer at Gryphon Sensors, LLC in Syracuse, NY where he works on aggregate sensors systems used for the safe integration of commercial UAS into the airspace. Prior to Gryphon Sensors, Kevin worked at SRC, Inc. as the lead systems engineer for the AN/TPQ-50 ground radar, which has since been integrated successfully into the Army GBSAA program along with several Counter-UAS efforts. He brings experience in detecting, tracking and classifying Low Slow Small (LSS) airborne targets to the

commercial sector for safe integration, traffic management, and security applications. Kevin holds several patents in the area of control systems and sensor technology. He has a BSEE from Rochester Institute of Technology and has further studied data mining and knowledge discovery technologies.

Roger Ohlund



CMO, SmartPlanes

Roger Ohlund is a Swedish national. He graduated from Umea University, Sweden, and holds a MSc degree in Engineering Physics and BSc in Space Technology.

Roger began his career with research on non-invasive measurement techniques and image analysis for New Boliden and ABB. His work experience includes appointments with Ericsson AB, with diverse responsibilities as engineer, international project manager and TCM manager in the telecoms industry. In 2005, Roger started working as Global Accounts Senior Sales Director and Customer Executive for Tieto Corporation. Today he is the CMO of SmartPlanes AB, a manufacturer of the world's most durable micro class UAV, providing aerial remote sensing and data collection solutions for multiple industries.

Michael Perry



Director of Strategic Partnerships DJI

Michael Perry is Director of Strategic Partnerships of DJI and leads external outreach on behalf of the company. Since joining DJI in early 2014, he has helped engage industry leaders across multiple sectors, top tier global media and international government partners to understand the potential of unmanned aerial technology. His work also includes identifying and engaging partners to help expand the capabilities of unmanned aerial systems through new hardware or software solutions.

Before joining DJI, Michael served as a communications strategist at global public relations consultancies, advising Fortune 500 companies on corporate communications, media relations, public affairs, and thought leadership programs across North and South America, Europe and Asia.

Nicholas Pilkington



CTO, Co-Founder, DroneDeploy

Nicholas is the CTO and co-founder of DroneDeploy – a software platform that enables fast aerial data and simple drone operations.

Originally from Johannesburg, South Africa – Nicholas earned his degree in computer science, math and information systems from Rhodes University. After graduating he

worked at NVIDIA in Santa Clara as a software engineering researching General Purpose Computing on GPUs. In 2008 he moved to the UK and completed his Ph.D in Machine Learning at University of Cambridge as a Nelson Mandela Scholar. He worked in the NLP group at the Toshiba Research Laboratory on Gaussian Process Experts and then at Base4 Innovation on nano-pore sequencing and alignment technology.

In 2013 he founded DroneDeploy with co-founders Mike Winn and Jono Millin and moved to the USA. He currently resides in San Francisco.

Patrick Egan



sUAS News Americas Desk EP sUAS Podcast Series, Drone TV, sUSB Exposition

Patrick Egan is the editor of the Americas Desk at sUAS News and host and Executive Producer of the sUAS News Podcast Series, Drone TV and the Small Unmanned Systems Business Exposition.

Experience in the field includes assignments with the U.S. Army Space and Missile Defense Command Battle Lab investigating solutions on future warfare research projects. Instructor for LTA (Lighter Than Air) ISR systems deployment teams for a OSD, U.S. Special Operations Command, Special Surveillance Project. Built and operated commercial RPA prior to 2007 FAA policy clarification.

On the airspace integration side, he serves as director of special programs for the RCAPA (Remote Control Aerial Photography Association). Past collaborations within the framework of the standards groups; ASTM F-38 and RTCA SC-203 (lightly regulated sub-group), and was also a full member of the Federal Aviation Administration's Small Unmanned Aircraft Systems Aviation Rulemaking committee (Order 1110.150)—He also served on the ICC (International Coordination Council) which input to the EUROCAE wg-73, and was the President of the Silicon Valley Chapter of AUVSI (Association for Unmanned Vehicle Systems International)

Fredrik Falkman



Fredrik Falkman, Head of Innovation at the Swedish Sea Rescue Society

Fredrik Falkman is an Industrial Designer managing innovation at the Swedish Sea Rescue Society, a charity that does the majority of rescues in Swedish waters.

Fredrik is heading a project that aims to deploy a fleet of small, remotely launched fixed wing drones around the Swedish coast to enable eyes in the sky within minutes of an emergency call. The truly BVLOS nature of the project involves pushing technology and legislation, as well as extensive relationship building with other airspace users.

Fredrik is a founding member of the International Maritime Rescue Federation's Future Technology Panel and a member of the European Emergency Number Association, EENA112, RPAS Working Group.

Fredrik has a background running a design consultancy with a focus on User Centered Design. He holds a Private Pilot License with a Sea Plane Rating.

Maj. Gen. James O. Poss (ret)



USAF, ASSURE

Maj. Gen. James O. Poss (ret) is the Executive Director of the Alliance for System Safety of UAS through Research Excellence (ASSURE) Federal Aviation Administration (FAA) Unmanned Aerial Systems (UAS) Center of Excellence Team. ASSURE is 18 of the top US, Canadian and British UAS research universities with 100+ corporate members teaming to solve the FAA's UAS research issues. General Poss works for MSU at their Stennis Space Center Campus. He is a 30 year US Air Force veteran with combat experience in four wars and was the Air Force's senior career intelligence officer at his transition from active

service in November 2012. He is a leading expert on UAS, having targeted the first armed UAS strikes, designed the US Air Force's remote split operations system for UAS control and the Distributed Common Ground Station for UAS intelligence analysis. General Poss received his commission through the Reserve Officer Training Corps program at the University of Southern Mississippi. He flew RC-135 sensitive reconnaissance missions during the Cold War, served in DESERT STORM with the U.S. VII Corps RC-12 Guardrail Battalion in Saudi Arabia, commanded an RC-135 squadron during the Kosovo Air War and was Director of Intelligence for Coalition Air Forces in Southwest Asia at the beginning of Operation Enduring Freedom. The general commanded the 488th Intelligence Squadron, Royal Air Force Mildenhall. He also commanded the 609th Air Intelligence Group at Shaw AFB, SC and 70th Intelligence Wing at Fort George G. Meade, MD. The general has previously served as the Director of Intelligence at both Headquarter U.S. Air Forces in Europe and Air Combat Command. His final assignment was Assistant Deputy Chief of Staff for Intelligence, Surveillance, and Reconnaissance, Headquarters US Air Force. He is the 2012 winner of Aviation Weeks' Curtis Sword Award for his leadership in Anglo-American aerospace relations.

Andy Putch



Co-founder, FreeSkies

Andy Putch is the co-founder of FreeSkies, a Bay Area software startup that is building the future of the drone UI/UX. Before FreeSkies, he was an autonomous systems researcher with the University of Illinois Bretl Research Group exploring emerging SLAM (LSD-SLAM) and other

GPS-denied UAS control systems. He has also worked as an aerospace and defense corporate strategy consultant with Renaissance Strategic Advisors and as a NASA Aeronautics Academy Fellow at the Armstrong Flight Research Center. Andy is a private pilot and soon to be Section 333 UAS operator.

Dr. Scot Refsland



Founder & CEO of RotorSports

Dr. Scot Refsland is the founder and CEO of RotorSports, producers of the US National Drone Racing Championships and the Inaugural 2016 World Drone Racing Championships in Hawaii with over 40 countries participating. Scot has a Ph.D. in Virtual and Augmented Reality and a BA

from University of Southern California. He is particularly interested in the intersection of drone racing, eSports and mixed reality technologies.

Pavel Reichert



Founder, CEO, Techniserv company

Founder and CEO of Techniserv company – the drone service provider in EU and CIS countries. Pavel got education at Brno University of Technology, Faculty of electrical engineering, where worked as a professor assistant and got a first drone experience at 2010. He transformed his knowledge to the real usage at 2011, when they launched the first drone flights as a service. They were an official first provider in Czech and Slovak republic. First area of operation was a security operations (Police assistance including SWAT units) and rescue operations (localizations of lost people or hotspots). He has been successful in other countries in Eastern Europe and Russia and currently operates drones for Oil and Gas companies at Arctic region.

Gene Robinson



RP Search Services

Gene Robinson has continued on the same path of learning that started back in 2005 with the first search using a small unmanned aircraft. Since his book “First to Deploy” has been released, Robinson has served the community by developing procedures and using his field experience to guide the growth of UA technology for first responders and Search & Rescue organizations. The past year has expanded his base of experience as he has been called upon to assist in disasters that have occurred in 2015 such as the Central Texas Memorial Day Floods where not only did he map the flooded regions with the Spectra UA, he was tasked as the incident “Air Boss” handling the flow of both manned and unmanned traffic around the flooded region during recovery operations. A unique blend of UA design and flight experience with real world Search & Rescue, First responder, and fire knowledge make for a wide ranging knowledge base for the public servant interested in using unmanned aircraft to enhance their asset base.

Jonathan B. Rupprecht



Commercial Pilot & Flight Instructor,
Rupprecht LAW, P.A.

Jonathan B. Rupprecht is a lawyer and a commercial pilot with single-engine, multi-engine, and instrument ratings. He is also an airplane flight instructor and instrument flight instructor. Newsweek, Politico, NPR, Marketwatch, The Independent, Motherboard, and many other sources have cited or quoted him. Jonathan obtained a Bachelor of Science in Professional Aeronautics from Embry-Riddle Aeronautical University, Magna Cum Laude, and a Juris Doctor from Florida International University School of Law. He has

conducted extensive research on the integration of unmanned aircraft into the Japanese airspace compared to the integration in the United States' airspace. From that research, Jonathan authored *Drones: Their Many Civilian Uses and the U.S. Laws Surrounding Them*. He later was an advisor for one of the amicus briefs for the highly publicized *Huerta v. Pirker* case. Jonathan is a co-author on an American Bar Association book called *Unmanned Aircraft in the National Airspace: Critical Issues, Technology, and the Law*. Jonathan wrote on administrative law, the FAA rule making process, the special rule on unmanned aircraft, and a brief history of unmanned aircraft.

He is a member of the Society of Aerial Cinematographers. He is on the Florida Department of Agriculture's working group for UAS. As of 12/31/2015, Rupprecht Law, P.A. was ranked 2nd in the United States by the number of Section 333 clients they had. Jonathan is currently practicing law in South Florida at his firm Rupprecht Law, P.A. (www.jrupprechtlaw.com) where he assists clients with exemptions, airspace waivers, and FAA enforcement actions.

Colin Snow



CEO Drone Analyst Research and Advisors

Colin Snow is CEO and Founder of Drone Analyst Research and Advisors, a consulting firm for the commercial unmanned aerial systems (UAS) industry. Colin is a 25-year technology industry veteran with a background in market research, enterprise

software, electronics, digital imaging, and mobility. His experience includes aerial photography as well as making, programming, and piloting remote control aircraft. Colin holds an MBA from Florida Atlantic University and is a member of all major UAS industry groups including: AUVSI, RCAPA, and AMA. Colin writes the 'The Market' column for sUAS News, and you can find him on Twitter @droneanalyst.

Andy von Stauffenberg



Founder & CEO, VStar Systems Inc.

Andy von Stauffenberg is the founder and CEO of VStar Systems Inc. VStar Systems Inc. provides End to End Unmanned Systems Research and Development Services to both commercial and government clients.

Prior to establishing VStar Systems, Mr. von Stauffenberg was the Global Hawk Block 30 Chief Engineer at Northrop Grumman, overseeing all technical aspects of the product life cycle, including the development, production and sustainment efforts for the United States Air Force. Mr. von Stauffenberg has years of remote sensing, systems engineering, flight operations, system test and project

management experience across a wide range of applications, advanced technologies and platforms.

Mr. von Stauffenberg served eight years in the US Navy in various positions. He holds a BS and MBA from Embry-Riddle Aeronautical University in addition to a Master of Engineering in Systems Engineering degree from Stevens Institute of Technology.

Bruce Tarbert



President TCS Aviation, LLC.

Bruce Tarbert is president of TCS Aviation, LLC., serving the UAS industry focusing on the challenges of integrating unmanned aircraft into today's National Airspaces System (NAS). TCS works with UAS operators, manufacturers, and airport authorities to fully understand operational approvals and regulatory considerations as they apply to unmanned aircraft

operations.

With over 33 years' experience at the Federal Aviation Administration, he spent 10 years at FAA Headquarters working in the FAA's Air Traffic Organization, the Aircraft Certification Service, as well as the Flight Standards Service. Bruce has been recognized by various aviation interest groups for integrating new technologies in the the NAS including RNAV and RNP procedure integration, as well as UAS policy development. As the lead in the FAA's Unmanned Aircraft Program Office, he represented the FAA as the FAA chair of the Small UAS Aviation Rulemaking Committee.

More recently, he served as the Director of New Mexico State University's Unmanned Aircraft Flight Test Center and as the Director of Airworthiness and Airspace Integration for the FAA's designated UAS test site in Nevada. At the Nevada test site, Bruce was responsible for establishing the nation's first designee program to enable certification of unmanned aircraft with a Special Airworthiness Certificate in the Experimental category.

Michael Thoss



Ethoss, Germany

Michael Thoss, is a trusted expert within his home country Germany and in the global, commercial unmanned industry. Being involved since 2008, Michael actively joined the industry representing the German manufacturer microdrones. As microdrones Marketing Director, Michael successfully developed, positioned and established the brand on the international commercial drone market and also was responsible for (the growth of) the global distribution network. Moving on, Michael founded his own company called “ethoss”. The company is regularly helping drone industry businesses and supports with strategic consulting and marketing services next to its extensive global network. Michael consults with established, global organizations, which look for his advice in order to successfully implement unmanned technology within their organization and operations. Michael actively is involved in drone operations and projects around the world, for both, security and commercial applications. During the last years, the main focus was clearly set to Europe, Middle East, South Africa and North-America. Currently, Michael is in the process of founding further businesses, related to the unmanned industry.

Harris Wang



Strategic Marketing Director, Velodyne

Velodyne LiDAR provides the core 3-D sensor technology that enables land, aerial and marine vehicles to “see” in real-time, making autonomous driving, flight and cruising a reality. Please join Harris Wang, Strategic Markets Director at Velodyne, to explore the latest Industrial Drone developments leveraging LiDAR technology. Together you will examine what winning looks like within

different drone operation modes and discuss how to navigate around this increasingly complex ecosystem...

Harris Wang has served various roles in engineering, sales and marketing at Fortune 150 companies with specialty in global strategy execution and business process improvement. After having lived in Shanghai, Chicago and Beijing, Harris feels great to be back to the Silicon Valley and take part in the Mobility Revolution.

Harris received his B.S. in Electrical Engineering from UCLA and is currently pursuing an EMBA at China Europe International Business School (CEIBS) in Shanghai.