

Clint's diverse 24-year aviation career began in the military with practical experiences in aviation planning, airport, heliport, and landing zone operations, uncrewed aerial vehicle facilities planning, airspace management, emergency management, and education & training. He also served as a volunteer firefighter for three years and gained experience with emergency helicopter landing areas. After military retirement, he pursued his passion for cities and community service with a Master of City and Metropolitan Planning and a Graduate Certificate in Urban Design. After graduation, Clint began his post-military career as a transportation planner at the Utah Department of Transportation and the statewide airport system planner and economic development lead for the Utah Division of Aeronautics. In 2017, Clint emerged as a community advocate in the advanced air mobility industry and worked to raise awareness among communities of emerging aviation technologies. He led numerous outreach efforts across the state to envision new roles for underutilized airports by leveraging new opportunities with advanced air mobility. He joined Urban Movement Labs in 2021 to serve as the Los Angeles Department of Transportation's Advanced Air Mobility Fellow. His focus is to link transportation and land use decisions to maximize existing and new aviation infrastructure and create new opportunities through collaboration. Clint works to facilitate relationships to empower industry partners, non-aviation stakeholders, and government staff to make informed, holistic decisions to integrate advanced air mobility technology to complement the region's transportation system.

# Clint Harper

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## Advanced Air Mobility Infrastructure Planning & Community Integration Expert



Clint is a recognized global leader within the Advanced Air Mobility (AAM) Industry, specializing in infrastructure and community integration. His diverse 24-year aviation career includes practical experiences in aviation infrastructure planning, airport & heliport operations, uncrewed aerial vehicle facilities planning, airspace management, and AAM community integration. Clint builds relationships through education and engagement to empower non-aviation stakeholders to make informed and holistic decisions around integrated AAM technology. He is a sought after speaker within the AAM industry and has spoken at a variety of conferences around the world, including the Air Taxi World Congress, Korean K-UAM Confex, American Planning Association, and HAI's HeliExpo.

### Education

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- 2018: Graduate Certificate in Urban Design, University of Utah
- 2017: Master of City & Metropolitan Planning, University of Utah
- 2016: B.S. Urban Ecology, University of Utah
- 2008: A.A.S. Aviation Management, Community College of the Air Force
- 2008: A.A.S. Instructor of Technology, Community College of the Air Force

### Skills, Honors and Certifications

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- 2023 eVTOL Insights AAM Power Book Inductee
- 2022: Transportation Safety Institute: Heliport Planning & Evaluation Certificate
- 2020: IAP2 Foundations of Public Participation Certificate
- 2018: AAAE Certified Member
- 1000+ hours of classroom instruction & course design
- 3-years of experience as a volunteer firefighter

### Experience

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#### Urban Movement Labs

City of Los Angeles Advanced Air Mobility Fellow

MARCH 2021 - PRESENT | LOS ANGELES, CA

#### **Led the development & implementation of an AAM community / stakeholder outreach program**

- Introduced AAM topics to seven city departments & staff & provided on-demand support over 2 years
- Conducted outreach to over 120 unique community organizations & external stakeholders on AAM integration
- Created communication materials & organized two virtual outreach events to discuss AAM topics

#### **Technical Advisor on citywide Vertiport Development**

- Led a joint collaboration with the FAA in assessing existing heliports for vertiport conversion viability
- Assisted city planners in conducting a gap assessment on current heliport permitting processes
- Explored the role of digital infrastructure to aid cities in integrating vertiports into the transportation system

#### **Developed *Integrating AAM: A Primer for Cities***

- Established the City of Los Angeles as a global leader in AAM development and thought leadership
- Contextualized AAM within broader transportation efforts & objectives as a model for other cities to follow
- Examined regulatory roles and responsibilities to identify specific policy levers for the city to focus

#### **Led the Development of *Microclimate Implications in Urban Areas for Urban Air Mobility***

- Characterized microclimate conditions within the Los Angeles region & identified gaps critical to AAM Operations
- Explored novel microclimate sensor technology and proposed solutions to maximize the safety of AAM flights

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### Utah Department of Transportation - Division of Aeronautics

State Airport System Planner | Economic Development Lead JUNE 2017 - FEB 2021 | SALT LAKE CITY, UT

#### **Project Manager for \$1.3M multi-agency Statewide Aviation Development Strategy**

- Created a statewide airport system plan to guide capital investments for the next 20 years
- Measured statewide economic impact for Utah's 46 airports for state, regional, and local airport stakeholders
- Created an economic impact calculator to help planners identify project / development specific impacts

#### **Initiated & managed AAM coordination with local planning orgs**

- Conducted a statewide AAM outreach effort to land use, transportation, & economic development planners
- Advocated for stronger aviation inclusion in state & regional multimodal transportation planning efforts

#### **Project on Vertiport Site Selection & Land Use Planning Research Study**

- Unified researchers, aviation, transportation, & land use planners to develop a GIS tool for vertiport site selection
- Characterized the legal, infrastructure, & logistical demands to inform drone operation opportunities

#### **Technical Advisor on 3 AAM Research projects to support planning**

- *Utah Urban Air Mobility First Steps Plan* - Explored medical delivery Infrastructure needs for state regulators
- *UAS Freight Network Planning Study* - Assessed UAS delivery options and impact to reduce delivery truck trips

### Utah Transit Authority

Coordinated Mobility Planner

JUNE 2015 - Dec 2015 | SALT LAKE CITY, UT

#### **Analyzed transportation use data for 50+ human services agencies**

- Collected and organized data on transportation needs of transportation denied populations
- Created database to pair human services agencies with transportation providers
- Informed agencies of available alternative transportation resources and challenges

### United States Air Force

Airfield Manager | Squadron Superintendent

MAR 2013 - AUG 2014 | PATRICK AIR FORCE BASE, FL

#### **Managed U.S. Air Force Space Command's most dynamic airfield system**

- Led 13-person section & managed 2 runways / 2 helipads enabling traditional & helicopter operations
- Provided technical advice for Cape Canaveral Air Force Station enabling heavy airlift & large UAS operations
- Advised Commander on operational effectiveness & the organization, training & equipping of 45 enlisted Airmen

Course Developer & Instructor Supervisor

MAR 2009 - MAR 2013 | KEESLER AIR FORCE BASE, MS

#### **Developed 3 regionally accredited Airfield Management courses & 1 Special-use Airspace Management Course**

- Supervised 11 instructors & training of 480 students annually in DoD's only Airfield Management courses
- Introduced heliport planning, design, & evaluation criteria to support new contingency requirements
- Authored DOD wide training plan with captured lessons during contingencies to address critical training gaps

Airfield Manager

JUN 2008 - JAN 2009 | KIRKUK REGIONAL AIR BASE, IRAQ

#### **Directed contingency operations on a degraded multi-runway airfield at Kirkuk Air Base, Iraq**

- Led 6-person team in managing contingency operations on a degraded multi-runway airfield with 6 tenants
- Managed \$23M construction projects impacting all facilities while facilitating 40K operations
- Planned two new helicopter parking aprons; ensured design & safety criteria met for future multi-mission use

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## Advanced Air Mobility Infrastructure Planning & Community Integration Expert

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### OTHER EXPERIENCE

- Technical advisor for *NFPA 418 - Standard for Heliports* revision to incorporate electric aviation issues
- F38 UAS Technical Committee Member; providing technical advice for new UAS standards
- Coauthored: *Advanced Air Mobility Vertiport Considerations: A List and Overview*
- Served as technical advisor on ACRP Report: *Urban Air Mobility: An Airport Perspective*
- Served as technical advisor on ACRP Report: *Preparing Your Airport for Electric Aircraft & Hydrogen Tech*
- Technical reviewer on: *Distributed Aviation – A New Economic Model for Electric Aviation*
- Technical advisor on FAA's AAAC: *Feedback on FAA Strategic Framework for AAM Near-Term Operations*
- Organizing committee member: 2023 ACRP Insights event on Advanced Air Mobility
- Served 3 years as a volunteer firefighter; assisted in the siting of Predesignated Emergency Landing Areas
- Served 6 years and 4 deployments as an avionics & sensors technician on AC-130 Gunships

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### SELECTED SPEAKING ENGAGEMENTS

- 2022 K-UAM Confex, Incheon, S. Korea: *Microclimate Implications in Urban Areas for Urban Air Mobility*
- 2022 eVTOL Insights Conference, New York, NY: *Urban Integration*
- 2022 6th VFS Workshop on AAM Infrastructure, Dayton OH: *Site Selection Exercise and Local Perspectives*
- 2022 Air Taxi World Congress, Istanbul, Turkey: *Vertiport Development & Real Life Experiences*
- 2022 Future of Aviation Conference, San Francisco, CA: *The Role of Local and Regional Governments in Planning for Advanced Air Mobility*
- 2022 VFS Electric Aircraft Symposium, Oshkosh, WI: *Vertiports Panel*
- 2022 LAX Aviation Careers Education Academy, Los Angeles, CA: *AAM Implementation & Integration*
- 2022 National Planning Conference, San Diego, CA: *Planning for Advanced Air Mobility*
- 2022 Emerging Aviation Technology Conference, Choctaw, OK: *Advanced Air Mobility Panel*
- 2022 SAE Aerotech, Pasadena, CA: *NASA AAM Track*
- 2022 9th VFS Electric VTOL Symposium, San Jose, CA: *Diversity in the Workforce, with Women and Drones*
- 2021 Korean-American Air Taxi Summit, Anaheim, CA: *Real Use Cases for AAM Panel*
- 2021 K-UAM Confex, Incheon, S. Korea: *Planning for the Integration of Urban Air Mobility in Los Angeles*
- 2021 Aviation Festival Americas, Miami, FL: *Airport Mobility Roundtable*
- 2021 Commercial UAV Expo, Las Vegas, NV: *Advanced Air Mobility Summit*
- 2021 Airport P3 Conference, San Diego, CA: *Advanced Air Mobility Panel*
- 2019 Annual Utah Department of Transportation Conference: *The Elevated Future of the Transportation System*
- 2019 Interdrone, Las Vegas, NV: *Urban Air Mobility Integration Panel*
- 2019 American Planning Association, Utah Chapter Fall Conference, Salt Lake City, UT: *The Elevated future of Transportation and Land Use Planning*
- 2019 AAAE General Aviation Conference, Minneapolis, MN: *Planning for Urban Air Mobility*
- 2019 International Economic Development Consortium, Economic Future Forum, Salt Lake City, UT: *Aviation, Global E-commerce, and Economic Development*
- 2018 Annual Utah Department of Transportation Conference: *Airport Roles in the Future Transportation System*