

AEROSPACE ECOSYSTEM 2021

A snapshot of aerospace activities and resources at CU Boulder and throughout Colorado.



ACCELERATORS

OEDIT Advanced Industries Accelerator Program • E-Space • Air Force Accelerator Powered by Techstars • Catalyst Campus • National Security Innovation Network

MILITARY

North American Aerospace Defense Command (NORAD) • U.S. Space Command (Provisional) • U.S. Northern Command • National Space Defense Center • U.S. Space Force Space Operations Command • Buckley Air Force Base • Peterson Air Force Base • Schriever Air Force Base • Cheyenne Mountain Air Force Station • Fort Carson Army Post

LABS & RESEARCH

Laboratory for Atmospheric and Space Physics (LASP) • Cooperative Institute for Research in the Environmental Sciences (CIRES) • Cooperative Institute for Research of the Atmosphere (CIARA) • JILA • Colorado Center for Astrodynamic Research (CCAR) • Research and Engineering Center for Unmanned Vehicles (RECUV) • BioServe Space Technologies (BioServe) • Aerospace Mechanics Research Center (AMReC) • Integrated Remote and In-Situ Sensing (IRISS) • Space Weather Technology, Research, and Education Center (SWx TREC) • National Snow and Ice Data Center • National Solar Observatory • Earth Science and Observation Center • Cooperative Institute for Research of the Atmosphere • National Center for Atmospheric Research (NCAR) • High Altitude Observatory • National Oceanic and Atmospheric Administration Boulder • National Institute for Standards and Technology • Center for National Security Initiatives (NSI) • CU Anschutz Center for Combat Medicine and Battlefield (COMBAT) Research • TAP Lab • UNAVCO

NONPROFITS

Colorado Space Business Roundtable • Colorado Space Coalition • Space Foundation • Colorado Chapter for Citizens for Space Exploration • Aerospace States Association • CO-LABS • AIAA—Rocky Mountain Chapter • Wings Over the Rockies • Aerospace Corporation • Space Information Sharing and Analysis Center (Space ISAC) • National Cybersecurity Center (NCC) • Rocky Mountain Section of the American Astronautical Society (AAS) • SRI International • The MITRE Corporation • Space Force Association • National Defense Industrial Association—Rocky Mountain Chapter • Air Force Association—Lance P. Sijan Chapter • Armed Forces Communications and Electronics Association (AFCEA)—Rocky Mountain Chapter

STATE GOVERNMENT

Colorado Division of Aeronautics • Colorado Office of Economic Development and International Trade • Colorado Aerospace and Defense Caucus • Colorado Aeronautical Board

ACADEMICS & SPECIALTY AREAS AT CU BOULDER

Ann and H.J. Smead Dept of Aerospace Engineering Sciences • Dept of Astrophysics and Planetary Sciences • Dept of Applied Math • Dept of Atmospheric and Oceanic Sciences • Dept of Electrical, Computer, and Energy Engineering • Paul M. Rady Dept of Mechanical Engineering • Dept of Physics • Colorado Space Grant Consortium • Space Minor • Aerospace Ventures Earth & Space Sciences • Aerospace Engineering Systems • Space Weather Space Situational Awareness • Human and Robotic Exploration • Spacecraft Design • Instrument Development • Small Satellites • Astrodynamics • Position, Navigation, and Timing • Unmanned Aerial Systems • Bioastronautics Remote Sensing • RF and Electromagnetics • Optics and Photonics • Sounding Rockets • Hypersonics
CLUBS: AIAA-CU Chapter • Boulder Astronomy & Space Society • CU Astronomy Club • CU Robotics Club

EXAMPLE INDUSTRY LEADERS

Lockheed Martin • The Boeing Company • Northrop Grumman • L3Harris • Ball Aerospace • Sierra Nevada Corporation • Raytheon • General Atomics • Maxar • United Launch Alliance • Leidos • Blue Canyon Technologies • Red Canyon Engineering • Astra • SPIRE Manufacturing • SEAKR Engineering • Advanced Space • Orbital Microsystems • York Space Systems • Advanced Space • Capella Space • CACI • Honeywell • Custom Microwave Inc. • DSoft Technology, Engineering & Analysis, Inc. • Jacobs • Parsons Corporation

EDUCATIONAL INSTITUTIONS

U.S. Air Force Academy • University of Colorado Anschutz Medical Campus • University of Colorado Boulder • University of Colorado Colorado Springs • University of Colorado Denver • Colorado School of Mines • Colorado State University • Metropolitan State University Denver