

An aerial photograph of the University of Colorado Boulder campus. In the foreground, there are several large, multi-story brick buildings with red-tiled roofs. A large, green, oval-shaped field, likely a football field, is visible in the lower right. In the background, there are large, rugged mountains with patches of green vegetation and rocky outcrops under a clear blue sky.

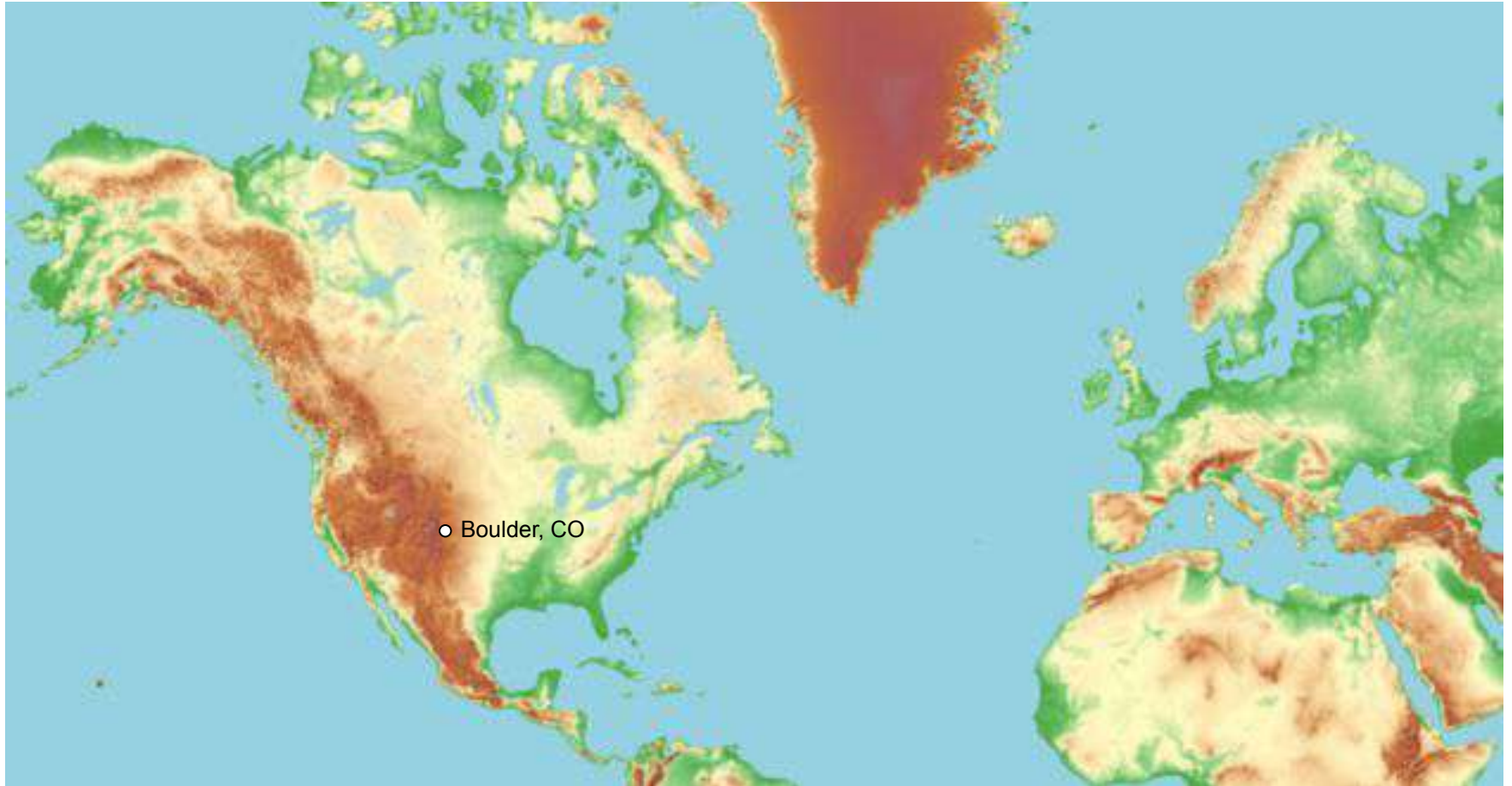
Europe-Colorado/Balsells Program

Professor Robert Davis and Britta Bergstrom



University of Colorado
Boulder

From Europe to Colorado



Two Student Opportunities

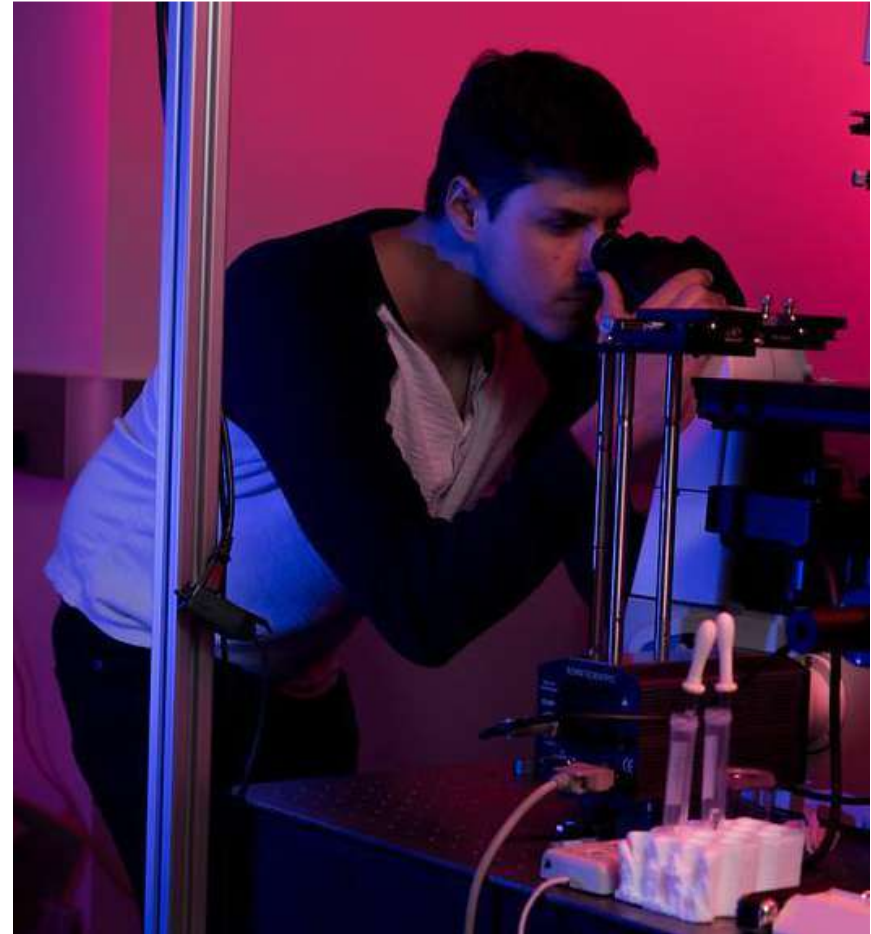
Mobility Program

Short-term visit to Colorado of 4-6 months to carry out final project for Bachelor's or Master's degree and to explore possibility of returning for a PhD.

Graduate Study

Long-term visit to obtain a PhD degree (5 years, including Master's on the way; 4 years if entering with a Master's).

Do either or both!



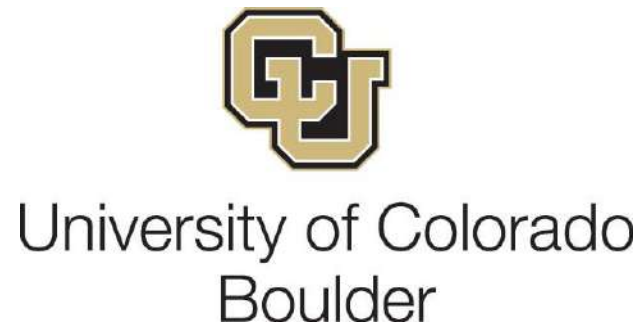
Historical Perspective

The Balsells Fellowship (1996-2023)

Pete Balsells



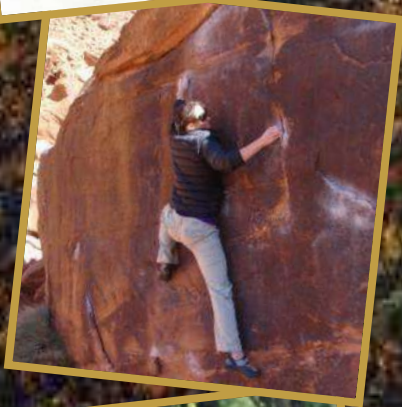
1928 - 2022



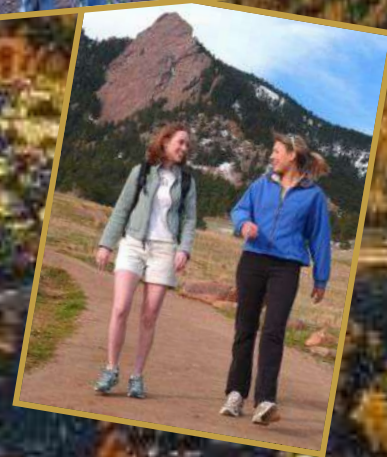
Europe-Colorado (EC) Program (2020-present)

Expanded opportunities for students from any European country





- 100,000 people
- 1,655 m elevation
- 40 km from Denver
- 300 days of sunshine per year
- Recreation
- Culture



Boulder: Summer and Winter



Europe-Colorado Community Events



University of Colorado Boulder

- Founded 1876
- 38,800 students
- 5 Nobel Prize Winners
- 8 Schools & Colleges



College of Engineering & Applied Science

- 10,700 students
- Top ranking in region
- 12 departments/programs



CU Engineering Excellence



World-class expertise:

- Aerospace
- Computing
- Energy/Env. Sustainability
- Health/Bioengineering
- Materials

Top-10 public rankings:

- #5 Aerospace Engineering
- #9 Environmental Engineering
- #10 Chem Eng, Civil Eng

Ties to Industry/National Labs



Chemical & Biological Engineering at CU

Two choices for PhD:

- Chemical Engineering
- Biological Engineering

Research Expertise:

- Biomaterials/biotechnology
- Energy & sustainability
- Polymers & soft materials

Students:

- 375 ugrad, 145 grad
- 47% female, 53% male



Aerospace Engineering at CU

PhD choice: Aerospace Engineering Sciences

Research Areas:

- Astrodynamics & Satellite Navigation Systems
- Autonomous Systems
- Bioastronautics
- Fluids, Structures & Materials
- Remote Sensing, Earth and Planetary Sciences

Students:

- 1,285 undergrad, 544 graduate
- 25% female, 75% male



Civil, Environmental & Architectural Engineering

PhD choices:

- Architectural Engineering
- Civil Engineering
- Environmental Engineering

Students:

- 682 ugrad, 191 grad
- 43% female, 57% male

Research Areas:

- Building Systems
- Construction Engineering Management
- Environmental Engineering
- Geotechnical Engineering
- Hydrology & Water Resources
- Structural Engineering
- Humanitarian / Global Engineering



Computer Science at CU

PhD choice: Computer Science

Research Areas:

- Artificial Intelligence
- Computational Biology
- Programming Languages and Software
- Robotics
- Systems & Networking

Students:

- 1,561 ugrad, 1148 grad
- 22% female, 78% male



Electrical, Computer & Energy Engineering

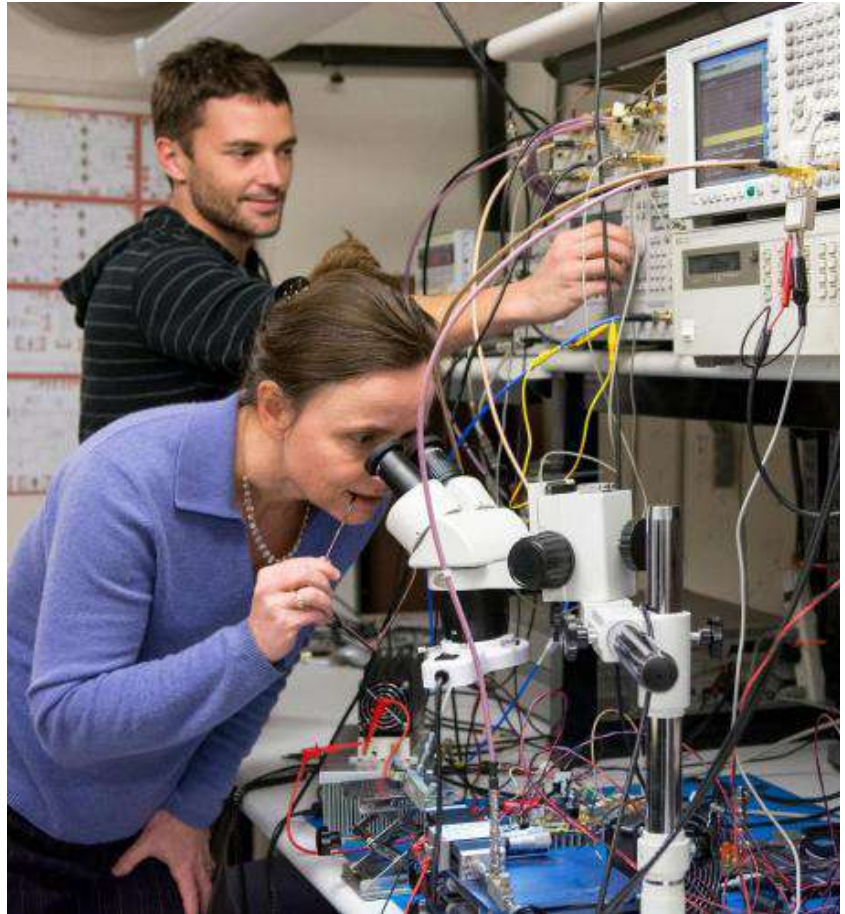
PhD choice: Electrical Engineering

Research Areas:

- Computer Engineering
- Electromagnetics
- Optics & Photonics
- Quantum Engineering
- Power Electronics

Students:

- 605 ugrad, 641 grad
- 15% female, 85% male



Mechanical Engineering at CU

PhD choice: Mechanical Engineering

Research Areas:

- Air Quality
- Biomedical Engineering
- Design
- Materials
- Robotics
- Thermo Fluid Sciences



Students:



Mobility Program

- Undergraduates or master's students
- Undertake final project or master's thesis for one term (4-6 months) at CU Boulder
- Partial funding provided (up to \$6,500 living, \$400 visa)
- Participants are expected to subsequently apply for graduate studies at CU
- **Explore research interests and the possibility of returning for graduate study!**



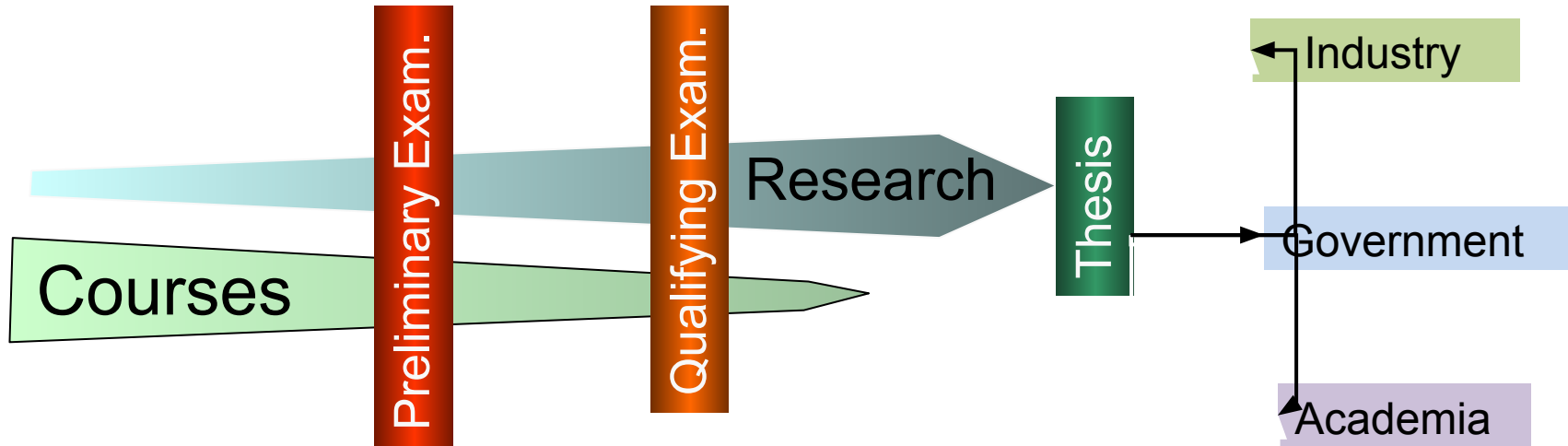
1) UPV applicants must be nominated by UPV by applying to the International Mobility program organized by the UPV Internationalization Service

2) Apply to Europe-CO Program by 1 March for the next school year



Graduate Program

Ph.D.: 4-5 years total **(including MS on way or before)**



Graduate student support typically includes:

- Research & teaching assistantships available for students seeking a PhD
- Monthly stipend: **approximately \$38,000 per year (>\$3,000 per month)**
- Tuition & Insurance: **approximately \$40,000 per year**
- See website at end of presentation for more information **(deadline 1 December)**

Balsells & EC Fellows at CU Boulder



**71 MS and PhD
fellows
140 mobility
fellows**



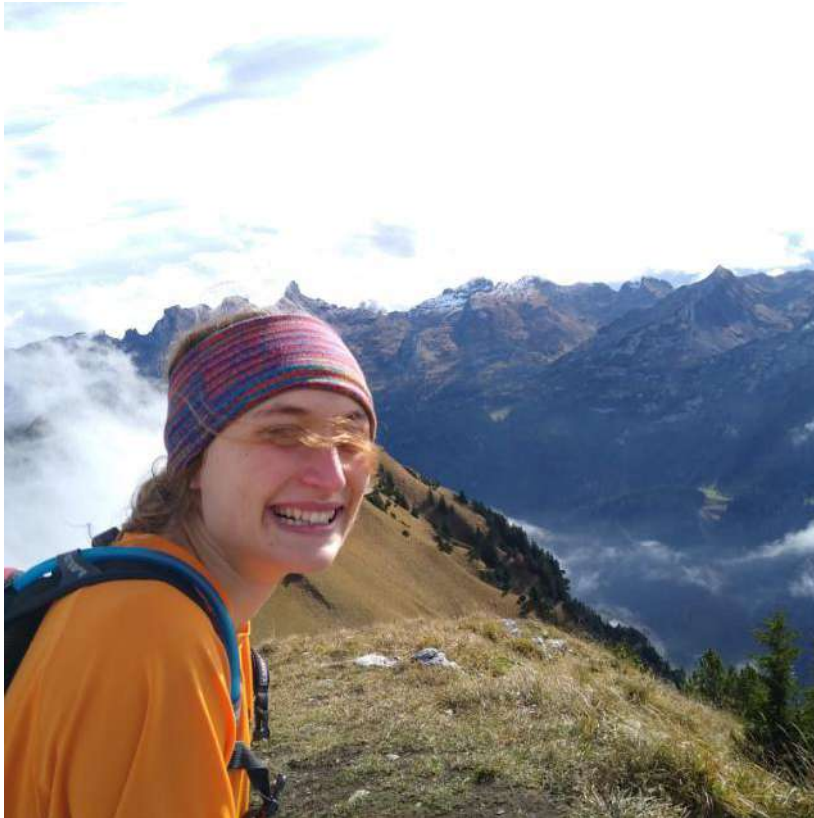
Countries represented to-date:

Spain, Netherlands, Italy, Ireland, Germany, Hungary, France, Austria,
Switzerland



University of Colorado **Boulder**

Student Profile: From Ireland to Colorado



Aoife Henry

- Received BS in Electrical Engineering from University College Dublin and MS in Energy Science and Technology from ETH Zurich
- Awarded the Europe-Colorado Mobility Scholarship to complete her MS thesis at CU Boulder
- Completed PhD in 2025 at CU Boulder in Electrical, Computer & Energy Engineering researching wind turbines
- **Currently a Sustainability Accelerator Fellow at Stanford and working on a wind energy startup she co-founded**



Student Profile: From Valencia to Colorado



María Rueda Ibáñez

- Received BS degree in Biomedical Engineering from Universitat Politecnica de Valencia
- Came to Boulder in Spring 2024 to do final project through the Europe-Colorado Mobility Program
- **Currently a PhD student in Biomedical Engineering at the University of Colorado**

Student Profile: From Terrassa to Colorado



Lluç Busquets i Soler

- Received BS in Aerospace Engineering from Universitat Politècnica de Catalunya Terrassa
- Did MS dual-degree in Aerospace Engineering with TU Delft and UPC Terrassa
- Came to Boulder in Spring 2023 to do MS thesis through the Europe-Colorado Mobility Program
- **Currently a PhD student in Aerospace Engineering at the University of Colorado studying climate change through satellite accelerometry**

Student Profile: From UPC South to Colorado



Pablo Botín Garcia-Planas

- Received BS in Industrial Engineering from Universidad Politecnica de Madrid
- Received MS in Sustainable Energy Engineering from ETSEIB
- Came to Boulder as a mobility student for his MS project in Spring 2022
- Returned to Boulder and finished a MS in Mechanical Engineering in 2025
- **Currently a Data Science Graduate Researcher at the National Renewable Energy Laboratory (NREL) in Colorado**

Student Profile: From Barcelona to Colorado



Aina Solsona Pujol

- Received BS degree in Chemistry from the University of Barcelona
- Came to Boulder in Spring 2023 to do final project through the Europe-Colorado Mobility Program
- **Currently a PhD student in Biological Engineering at the University of Colorado studying granular hydrogels in musculoskeletal tissue engineering**



Student Profile: From UPC North to Colorado



Victor Jimenez Rugama

- Received BS in Computer Science at Univ. Politècnica de Catalunya
- Came to Boulder as a Europe-Colorado Mobility student in Spring 2025
- **Currently a PhD student in Computer Science at the University of Colorado studying hardware acceleration for machine learning**



Student Profile: From Tarragona to Colorado



Rocio Navarro Vázquez

- Received BS and MS degrees in Chemical Engineering from Universitat Rovira i Virgili
- Came to Boulder in 2015 to complete MS thesis with the Balsells Mobility Program
- Awarded Balsells Fellowship and completed PhD degree in 2020
- **Currently a Process Development Engineer at Slingshot Biosciences in California**





One student's experience



Thank you! Any Questions?

For additional information please contact:

brittany.bergstrom@colorado.edu

colorado.edu/engineering-international/europe-colorado-program

