Faculty Representatives

Professor Robert Davis, CU Boulder
Assistant Dean Christopher Nelson, UCCS
Professor Anita Oberbauer, UC Davis
Professor Roger Rangel, UC Irvine
What to do after graduation?

• Get a job

• Learn more, become an expert and leader in your field
Why Graduate School in the USA?

• Opportunity to travel
• Learn more, better yourself, and benefit society
• Live abroad
• Expand your career options
• Achieve competitive positions and salaries
Why the Balsells Fellowship Program?

- Tailored for students from Catalonia
- Financial support available:

Pete Balsells

Generalitat de Catalunya

University of California Irvine

University of Colorado Boulder

University of Colorado Colorado Springs
Peter J. Balsells

• Born in Barcelona in 1928
• Moved to United States at age 18
• Graduated from CU Boulder in 1952
  – B.S. degree in Mechanical Engineering
• Started **Bal Seal Engineering Company** in California in 1958 with his wife, Joan
  – Located near Irvine, California, and Colorado Springs, Colorado, the company today employs over 500 people
• Started the Balsells Fellowship Program at UCI in 1996
• Started the Balsells Graduate Fellowship Program at CU Boulder in 2010; at UCCS in 2013; and at UCD in 2015
• Received the Francesc Macia Medal in 2003
• Awarded the Creu de Sant Jordi in 2013
• Honorary doctorates from CU Boulder (2014) and UdG (2016)
Balsells Mobility Program
Short-term visits of 4-6 months to the U.S. to carry out final project for Bachelor’s or Master’s degree and to explore possibility of returning to the U.S. for a Master’s and/or PhD.

Balsells Graduate Fellowship
Long-term visits of 1.5 - 5 years to the U.S. to obtain Master’s degree (1.5 - 2 years) and/or PhD degree (4 – 5 years) from a U.S. university.

Balsells Postdoctoral Fellowship (UC Irvine)
One-year visit for PhD holders to conduct research at UC Irvine under the guidance of a faculty member.
Balsells Fellowships 1996-2017

UC Irvine
- 125 MS and PhD fellows
- 13 post-doctoral fellows
- 61 mobility fellows

CU Boulder
- 42 MS and PhD fellows
- 45 mobility fellows

UCCS
- 20 MS and PhD fellows
- 24 mobility fellows

UC Davis
- 1 MS fellow
- 1 mobility fellow (2018)

Catalan Universities:
UAB, UB, UdG, UdL, UPC, UPF, URL, URV
From Catalonia to California and Colorado
Irvine - Orange County - Southern California

- Pop: 225,000 (Irvine)
- 3 Million (Orange Co.)
- 60 km south of Los Angeles
- A hub of high tech companies
- Surrounded by beach, mountains, arts, and entertainment
University of California, Irvine Snapshot

- www.uci.edu
- 31,500 students
- 14 schools and programs
- 3,000 teaching faculty members
- 9th among all U.S. public universities (USNews&WR 2018)
- 3 Nobel prizes
Henry Samueli School of Engineering

Five Departments:  
• Biomedical Engineering  
• Chemical Engineering & Materials Science  
• Civil & Environmental Engineering  
• Electrical Engineering & Computer Science  
• Mechanical & Aerospace Engineering

www.eng.uci.edu

3,300 Undergraduates  
1,000 Graduate students  
150 Faculty Members
Boulder, Colorado

- 105,000 people
- 1,655 m elevation
- 40 km from Denver
- 300 days of sunshine per year
- Recreation
- Culture
University of Colorado Boulder

- Founded 1876
- 32,000 students
- 5 Nobel Prize Winners
- 8 Schools & Colleges

- Balsells Graduate Fellowship Program started 2010
- Special strengths in aerospace, bioengineering, chemical, civil, computer, electrical/telecom, materials and mechanical engineering
College of Engineering and Applied Science

8 Departments/Programs
- Aerospace Engineering Sciences
- Chemical and Biological Engineering
- Civil, Environmental, and Architectural Engineering
- Computer Science
- Electrical, Computer, and Energy Engineering
- Interdisciplinary Telecommunications
- Materials Science and Engineering
- Mechanical Engineering

4,650 undergraduates
1,900 graduate students
300 faculty members

engineering.colorado.edu

Top-ranked engineering school in the entire Rocky Mountain region of the United States
Colorado Springs, Colorado

- 460,000 people
- 1,839 m elevation
- 110 km from Denver
- Home to the U.S. Olympic Training Center
- A city for people who love the outdoors – great outdoor recreation year round
- Pikes Peak
- Garden of the Gods
University of Colorado / Colorado Springs

- Founded 1965
- 12,000 students
- 9th among Western regional public universities (2017)
- 6 Schools & Colleges

- Balsells Graduate Fellowship Program
- Computer Science, Electrical Engineering, and Mechanical Engineering, cutting-edge applied research in the College of Engineering and Applied Science
College of Engineering and Applied Science

3 Departments

Electrical & Computer Engineering

Mechanical & Aerospace Engineering

Computer Science

Local connections to industry, including Bal Seal Engineering R&D Facility.

Personal attention by faculty on research projects

www.uccs.edu/eas
Davis – Yolo County – Northern California

• Pop: 66,000 (Davis) – 200,000 (Yolo Co.)
• 18 km from Sacramento; 110 km from San Francisco
• In the center of agricultural production
• Close to mountains and coast
University of California, Davis Snapshot

- [www.ucdavis.edu](http://www.ucdavis.edu)
- 37,400 students
- 104 undergraduate majors
- 96 graduate programs
- 10,200+ degrees awarded annually
- Top 10 US public university
- #2 Ranking University in the World for Research and Teaching in Agricultural Sciences
• 15 academic departments
• Centers and Institutes – many
• People
  • 381+ faculty / 800 staff
  • >7,300 undergraduate students
  • 1,100+ graduate students
• 5,000 acres on campus
  • 3,700 acres for ag. research and teaching
  • Classrooms / Laboratories
  • Greenhouses / Growth chambers
• Undergraduates or master’s students from Catalonia
• Undertake final project or master’s thesis typically for one term (4-6 months) at UC Irvine, CU Boulder, UCCS, or UC Davis
• UC Irvine: balsells.eng.uci.edu
• CU Boulder: www.colorado.edu/engineering-international/balsells
• UCCS: https://www.uccs.edu/eas/academics/balsells_mobility.html
• UC Davis: Associate Dean Susan Ebler at seebler@ucdavis.edu
• Transportation and partial living expenses provided (approximately $1,000 per month)
How to Apply for the Mobility Program

Students interested in the Balsells Mobility Program should:

• Be interested in future Master’s or PhD study in the USA and intend to apply for the Balsells Graduate Program
• Have a strong academic record and at least intermediate English proficiency
• Provide letter of interest, curriculum vita, and academic transcript (all in English) to:
  – **UC Irvine**: Balsells Fellowship Program at balsells@uci.edu
  – **CU Boulder**: Mr. Andrew Wingfield at andrew.wingfield@colorado.edu
  – **UCCS Colorado Springs**: Mr. Christopher Nelson at balsells@uccs.edu
  – **UC Davis**: Associate Dean Susan Ebler at seebler@ucdavis.edu
Graduate Programs

Master’s: 1.5 – 2 years with thesis

Ph.D.: 4-5 years total

Courses

Research

Courses

Research

Preliminary Exam.

Qualifying Exam.

Thesis

Industry

Government

Industry

Government

Academia
Balsells Graduate Fellowship

The Fellowship includes:

• Monthly stipend: $1,700-2,125 per month
• Tuition, Fees & Insurance: $27,000-36,000 per year
• Travel payment: $1,500 per year
• Total value: $45,000-60,000 per year
• Fellowship available for up to 2 years
• Research & teaching assistantships available after 2 years for students continuing to the PhD
• 15 to 20 new fellowships each year

Postdoctoral Fellowship in Engineering (UC Irvine)

• Yearly stipend: $48,000
• Total value: $69,000
• 2 Fellowships each year
Who can apply?

Spanish citizens who are permanent residents of Catalonia; speak English, Catalan and Spanish; and are graduates from Catalan or other European universities majoring in engineering or related fields.
# Timeline for Graduate (MS/PhD) application

For students currently in 4th year

<table>
<thead>
<tr>
<th>What</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>This presentation</td>
<td>Sep 2017</td>
</tr>
<tr>
<td>Take GRE and TOEFL or IELTS exams</td>
<td>Nov/Dec 2017</td>
</tr>
<tr>
<td>Complete graduate application</td>
<td>Dec 2017 / Jan 2018</td>
</tr>
<tr>
<td>Admissions decision by the university</td>
<td>Feb/Mar 2018</td>
</tr>
<tr>
<td>Admitted students apply for Balsells Fellowship</td>
<td>Mar 2018</td>
</tr>
<tr>
<td>Decisions on Balsells Fellowships announced</td>
<td>Apr 2018</td>
</tr>
<tr>
<td>Fall term of graduate school starts</td>
<td>Aug/Sep 2018</td>
</tr>
</tbody>
</table>
# Timeline for Mobility and Graduate application

**For students currently in 3rd year**

<table>
<thead>
<tr>
<th>What</th>
<th>When</th>
</tr>
</thead>
<tbody>
<tr>
<td>This presentation</td>
<td>Sep 2017</td>
</tr>
<tr>
<td>Apply for Mobility</td>
<td>Feb 2018</td>
</tr>
<tr>
<td>Start Mobility</td>
<td>Fall 2018 or Spring 2019</td>
</tr>
<tr>
<td>Take GRE and TOEFL or IELTS exams</td>
<td>Dec 2018</td>
</tr>
<tr>
<td>Complete graduate application</td>
<td>Dec 2018 / Jan 2019</td>
</tr>
<tr>
<td>Admissions decision by the university</td>
<td>Feb/Mar 2019</td>
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<tr>
<td>Admitted students apply for Balsells Fellowship</td>
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<td>Aug/Sep 2019</td>
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</tbody>
</table>
Requirements for admission to any of the Masters Programs:
• Undergraduate transcripts (original and English translation)
• GRE Scores
• TOEFL/IELTS Scores
• 3 Letters of Recommendation
  – Highlighting your potential for performing independent, thoughtful research, and ability to think beyond formal course assignments
• Candidate statement (Statement of Purpose)
  – How you prepared for the graduate degree (courses, experiences)
  – Interests and career goals (why you want to pursue this degree)
  – Fit (why you are a good match for the UC Davis program)
  – Your personal history that helped you decide to pursue this degree
Information on GRE, TOEFL & IELTS exams:

Information on applying to UC Irvine:
http://www.grad.uci.edu/admissions/applying-to-uci/

Information on applying to CU Boulder:
http://www.colorado.edu/admissions/graduate/international

Information on applying to UCCS
https://www.uccs.edu/eas/academics/balsells_graduate.html

Information on applying to UC Davis
http://balsells.ucdavis.edu
Balsells Fellowship

For additional information please contact:

University of California, Irvine
balsells@uci.edu
balsells.eng.uci.edu

University of Colorado Boulder
brittany.bergstrom@colorado.edu
colorado.edu/engineering/balsells

University of Colorado Colorado Springs
balsells@uccs.edu
www.uccs.edu/eas/academics/balsells.html

University of California, Davis
nerabaud@ucdavis.edu
http://balsells.ucdavis.edu