

National Center of Excellence for Aviation Operations Research  
University of California at Berkeley  
Short Course

**Airport Systems Planning and Design**

Program – 2020

2/26/20

**MONDAY, JULY 13**

8:30-9:00 Welcome & introductions  
9:00-10:05 Airport system planning / Gosling  
10:05-10:25 break  
10:25-12:30 Airport strategic and master planning / Stewart  
12:30-1:30 lunch  
1:30-3:05 Airport finance / Townsend  
3:05-3:25 break  
3:25-5:00 Introduction to airport planning exercise and group discussions

**TUESDAY, JULY 14**

8:30-10:05 Air traffic demand forecasting / Gosling  
10:05-10:25 break  
10:25- 12:30 Airspace and airport capacity (Part 1) / Dunlay  
12:30-1:30 lunch  
1:30 -2:35 Airspace and airport capacity (Part 2) / Hanowsky  
2:35-2:55 break  
2:55-4:00 From planning to construction / Oswald  
4:00-5:00 Airport planning group discussions

7:00 Dinner / Speaker: *TBD*

**WEDNESDAY, JULY 15**

8:30-10:05 Airfield layout planning and design / Cornell  
10:05-10:25 break  
10:25-12:30 Airline operations and economics / Nason  
12:30-1:30 lunch  
1:30-3:05 Passenger terminal planning / Thurber  
3:05-3:25 break  
3:25-5:00 Airport ground access / Mandle

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**THURSDAY, JULY 16**

8:30-10:35	Air cargo logistics and planning air cargo facilities / Phillips
10:35-10:55	break
10:55-12:30	Environmental planning and management / Full
12:30-1:30	lunch
1:30-3:35	Airport noise management / Fidell
3:35-3:55	break
3:55-5:00	Airport planning group discussions

**FRIDAY, JULY 17**

8:30-10:05	Airport land use compatibility planning / Harmon
10:05-10:25	break
10:25-noon	Planning for unmanned aircraft systems and future urban air mobility / Cohen
Noon-12:15	Course wrap-up
12:15	<i>Adjourn</i>

Faculty member in charge

**Mark Hansen**, Professor of Civil Engineering, Department of Civil and Environmental Engineering,  
University of California, Berkeley

Course Coordinators

**Geoffrey Gosling**, Principal, Aviation System Consulting, Berkeley, California

**Michael Hanowsky**, Director, Practice Lead for Data Analytics and Operational Planning, Woolpert,  
Burlingame, California

Instructional staff

**Adam Cohen**, Research Associate, Innovative Mobility Research Group, Transportation Sustainability  
Research Center, University of California, Berkeley

**Thomas Cornell**, Vice President, Landrum & Brown, San Francisco, California

**William Dunlay**, Managing Member, WJDunlay Consulting, Tiburon, California

**Sanford Fidell**, President, Fidell Associates, Canoga Park, California

**David Full**, Vice President Aviation – Environmental Service Group Leader, RS&H, San Francisco,  
California

**Geoffrey Gosling**, Principal, Aviation System Consulting, Berkeley, California

**Michael Hanowsky**, Director, Practice Lead for Data Analytics and Operational Planning, Woolpert,  
Burlingame, California

**Lisa Harmon**, Aviation Planner, Mead & Hunt, Sacramento, California

**Peter Mandle**, Executive Vice President, InterVISTAS Consulting, Burlingame, California

**Scott Nason**, President, SDN TT&H Consulting, Dallas, Texas

**Christopher Oswald**, Senior Vice President, Safety & Regulatory Affairs, Airports Council International –  
North America, Washington, DC

**Thomas Phillips**, Chief Executive Officer, Keiser Phillips Associates, Seattle, Washington

**Burr Stewart**, Aviation Strategic Planning & Sustainability Consultant, Seattle, Washington

**Byron Thurber**, Senior Aviation Planner, Arup, San Francisco, California

**Matt Townsend**, Director, Frasca & Associates, Houston, Texas

Dinner Speaker

**TBD**