

Overview

Derrick Choi, a principal with XChange Architects, is a planner and architect with almost a decade of experience in airport master planning and design, specializing in passenger terminal buildings. His terminal planning experience includes concession planning, ground service equipment (GSE) planning, aircraft gate layout, terminal programming / simulation, and security planning and programming assignments at over 15 airports in the United States and abroad, including Canada, United Kingdom, Mexico, the Netherlands, People’s Republic of China, and the United Arab Emirates.

As a Senior Associate with the international airport consulting firm, Jacobs Consultancy (formerly Leigh Fisher Associates), Derrick was a leading member of *NexTerm* – a knowledge-based initiative between Airport sponsors and select industry service and technology providers to share insight on current and emerging information technology applications in the airport environment to ascertain their financial, operation, and physical impact on passenger terminals of the future. Since 2003, he has helped facilitate *NexTerm* workshops for airport operators at Raleigh-Durham, Indianapolis, Orlando, and Colorado Springs Airports.

With Earth Tech Architecture (formerly TAMS Consultants), he led the permitting and design efforts for a new US\$20 million passenger terminal complex at Barnstable Municipal Airport in Cape Cod, Massachusetts. Additionally, he led the design and construction administration of a new US\$7 million general aviation hangar facility at Quonset State Airport for the Rhode Island Airport Corporation.

Education and Training

Master in Architecture, Harvard University Graduate School of Design, 2000
 ETH Zurich Exchange Fellow, Swiss Federal Institute of Technology, 1999
 Bachelor of Arts, Architectural Design (*departmental distinction*), Columbia University, 1996

Additional Coursework and Training

Rafael Vinoly Architects Architectural Training Program, 2007
 Green Roof 201 Training, *Green Roof for Healthy Cities Convention*, 2006
 LEED® -NC Overview Seminar, US Green Building Council, 2005
 Airport Short Course, *University of California - Berkeley*, 2000
 Airport Systems Planning (elective coursework), *Massachusetts Institute of Technology*, 1998

Professional Experience

June 2008 - present	XChange Architects	Principal
June 2005 – 2008	Earth Tech	Project Director
January 2000 – May 2005	Jacobs Consultancy (Leigh Fisher Associates)	Sr. Associate
September 1998–November 1999	Massachusetts Port Authority	Graduate Intern
June 1998 – August 1998	Skidmore, Owings, and Merrill	Jr. Designer
June 1997 – August 1997	Skidmore, Owings, and Merrill	Jr. Designer
June 1996 – August 1996	Kaehler / Moore Architects	Intern
August 1995 – May 1996	Robert A.M. Stern Architects	Intern
June 1993 – August 1993	Wimberly Allison Tong and Goo Architects	Intern

Registration

Registered Architect, Massachusetts #30993
 National Council of Architectural Registration Boards (NCARB) #130322
 USGBC LEED® - 2.0 Accredited Professional

Derrick has served as a project designer, planner, or project manager on the following projects:

**Terminal
Planning and
Design**

Baltimore Washington Thurgood Marshall International Airport – Terminal Programming
Linthicum, MD (2007)

Quonset Airport FBO and Hangar
Planning, Design, and Construction Administration
N. Kingstown, RI (2008)

Nantucket Memorial Airport New Terminal
Program Validation and Design Development
Nantucket, MA (2007)

Barnstable Municipal Airport New Terminal
Programming, permitting, and concept design
Hyannis, MA (2005-2008)

Ottawa International Phase 2 Expansion
Gate planning, parking, and simulation support
Ottawa, Canada (2005-2008)

Alicante International Airport New Terminal
Programming and Concept Planning
Alicante, Spain (2001)

Exeter Regional Airport Terminal Feasibility
Programming and Concept Planning
Exeter / Devon County, UK (2004)

Mexico City International Airport, New Terminal
Terminal Programming Support, Competition
Mexico City, Mexico (2004)

Port Authority of New York and New Jersey
Tenant Design Guidelines for Terminals
New York and New Jersey (2004)

Beijing International Airport, Terminal 3
Terminal Programming Support, Competition
Beijing, PRC (2003)

Oakland International Airport, Terminal 1 Ticketing
and Outbound Baggage Expansion Planning
Oakland, CA (2001)

Sea-Tac International Airport Terminal Facilities
Plan and On-call Services
Programming and Planning Services
Seattle, WA (2000-02)

**Security
Planning**

Ft. Lauderdale International Airport
EDS Study and Concept Design
Ft. Lauderdale, FL (2003)

Billings-Logan International Airport
Security Master Plan
Billings, MT (2003)

Boeing TSA – Phase 1 EDS Implementation and
Simulation and Planning Support
Richardson, TX (2002)

**Concession
Planning**

Tulsa International Airport Concession
Implementation - Design Manual and Program
Management
Tulsa, OK (2004-05)

Indianapolis New Terminal Concession Master Plan
Concession planning and concept layout
Indianapolis, IN (2003)

Baltimore Washington International Airport
Concession Tenant Design Guidelines
Linthicum, MD (2002)

Guam International Airport Duty Free Master Plan
Concept Planning and Design
Tamuning, Guam (2000)

**Master
Planning**

Monmouth Airport Privatization and Master Plan
Wall Township, NJ (2007)

Abu Dhabi International Airport Master Plan
Abu Dhabi, UAE (2004-05)

Worcester Regional Airport Master Plan
Worcester, MA (2004-05)

Nashville International Airport Master Plan
Nashville, TN (2002-2004)

**Cargo
Planning**

Albuquerque International Sunport Cargo Plan
Albuquerque, NM (2003)

Boston-Logan Replacement Cargo Facility
Concept Planning for Aviation Facilities Co. (AFCO)
East Boston, MA (2007)

**Airport
Sustainability**

Philadelphia Airport System
Sustainable design strategy and LEED® consulting
Philadelphia, PA (2006-2008)

Schiphol Real Estate
LEED Consulting for TransAvia and TNT
Amsterdam International Airport, NL (2008)

Transportation

NY Department of Transportation – Liberty St.
Pedestrian Bridge
Design Development and Construction Documents
Ground Zero - New York, NY (2006)

MBTA Salem Rail Station Mixed-Use Garage
Planning and Concept Design
Salem, MA (2007 – ongoing)

**Professional
Affiliations
and
Committees**

- Airport Consultants Council (ACC)
- Terminal Committee (2006, 2007), Sustainability subcommittee leader (2008)
 - Ad-hoc Terminal Corridor Sizing Guidelines Subcommittee (2006)
- Airport Cooperative Research Program (ACRP) / Transportation Research Board (TRB)
- ACRP 03-01 Passenger-related Airport Processing Rates Research Oversight Committee (2006)
 - TRB AV50 Aviation Committee Member (2007, 3-year term)

**Presentations
and
Publications**

Regional Jets and Beyond - Challenges and Opportunities for Commuter Terminal Facilities, Transportation Research Board Annual Meeting – Presenter, January 2009

LEED 3.0 – An Evolutionary System for Revolutionary Times, Deerns Sustainability Symposium, Delft University of Technology (Netherlands) – Presenter, May 2008.

Putting People First – Boston-Logan International Airport, Airport World / ACI, February/March 2007. Co-written with John Krajovic.

Featured in *Airport Revenue News*, January 2007 – “Feast or Famine,” article on concession trends related to Resort Airports.

A Place Where Everybody knows Your Name: Reconceptualizing the 21st Century Airline Lounge, Passenger Terminal World USA Expo and Conference – Presenter, December 2006

Designing Integrated Terminal Solutions, 29th Annual FAA Airports Conference at Penn State University (Hershey, PA) – Presenter, March 2006

New Large Regional Aircraft – Implications for Terminal Facilities, ACC/AAAE Planning, Design, and Construction Symposium – Presenter, February 2006

Airport: Exported, Imported – A Comparative Analysis of Kuala Lumpur and Kansai International Airports, Boston University – Guest Lecturer, December 2005

Emerging Air Service Trends for Small Airports Roundtable, Massachusetts Airport Management Association (MAMA) Conference – Panel Moderator, September 2005

FAA /ACC/TSA Summer Workshop Series – Terminal Workshop Facilitator, June 2005

NexTerm – Emerging Directions in Re-conceptualizing the Airport Passenger Terminal, 306090 – Journal of Emergent Architecture + Design, March 2004

Terminal Planning Implications of Emerging Passenger Processing Technologies, FAA and Volpe National Transportation Systems Center White Paper, 2003. Co-authored with James M. Robinson

One-Stop Shopping, Passenger Terminal World, June 2003. Co-authored with Brett M. McAllister

Harvard Design Magazine, October 1997-1998, Student Editorial Assistant

**Exhibitions
and
Recognition**

Published or exhibited design projects include the following:

AIA National Convention Dudley Square Design Competition – Jury Selection, Exhibited entry, 2008

AIA NY Emerging New York Architects 2008 Competition – Jury Selection, 2008

Harvard University, Vision of Sustainability Design Competition – Honorable Mention, 2006

Northeastern University, Veterans Memorial Design Competition – Exhibited Entry, 2005

Van Alen Institute Pier 41 Sun Shelter Design Competition – Exhibited Entry, 1997

OnSite: Student Journal of Columbia College Architecture – Exhibited Projects, 1995 and 1996

Abstract: Journal of Columbia University GSAPP – Exhibited Project, 1995