

JOAKIM KARLSSON

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PROFILE

- Over 20 years of experience in air transportation economics/policy and airport/airspace planning, with a focus on applying analytical and problem solving skills
- Internationally recognized expert on aviation taxes, government charges, and fees
- Experienced airport planner with projects at over 20 regional and international airports
- Highly rated educator and researcher, with consistent record of excellent achievement

AREAS OF EXPERTISE

Air Transportation Economics and International Policy

- Developed economic model for user charges in support of ICAO effort to harmonize financing and operations of international air traffic over the North Atlantic
- Prepared business case analyses for FAA Air Traffic Organization NextGen investments
- Authored multiple industry-leading studies on aviation ticket taxes, charges, and fees

Aviation Education and Research

- Taught wide range of MBA and graduate courses in air transportation, in traditional and online format, with consistently superb evaluations
- Directed research center and developed national reputation for studies in air transportation economics, including successful completion of multiple research projects
- Co-founded and served as principal investigator for MIT Airline Ticket Tax Project
- Led aviation management curriculum redesign and coordinated national accreditation visit

Planning and Project Management

- Highly skilled in managing complex air transportation projects, including leading teams, setting and overseeing budgets, as well as negotiating and coordinating with government aviation agencies and contractors
- Led research teams for Airport Cooperative Research Program projects (S03-03 and 01-19)
- Managed USD 13.5 million airport capital improvement plan for State of New Hampshire
- Consistently demonstrated excellent quality, customer service, attention to detail, communications skills, and ability to make complex technical problems understandable and relevant to policy makers, regulatory agencies, the public, and the media

AFFILIATIONS

Transportation Research Board of the National Academies

Aviation Economics and Forecasting Committee 2011 – present

Massachusetts Institute of Technology, Global Airline Industry Program

Research Affiliate 2006 – present

American Association of Airport Executives

Certified Member 2000 – present

EDUCATION AND TRAINING

Massachusetts Institute of Technology

M.S. in Aeronautics and Astronautics 1990

University of New Hampshire

M.A. in Economics 2006

Princeton University

B.S.E. in Mechanical and Aerospace Engineering 1988

Professional Training

Airport Inspector, National Association of State Aviation Officials; *Aviation Safety Counselor*, Federal Aviation Administration; *Basic Law Enforcement for Aeronautical Inspectors*, Division of Aeronautics, New Hampshire Department of Transportation

EXPERIENCE

MCR Federal, LLC, Bedford, MA, USA

Principal and Operations Research Analyst 2010 – Present
Analyst for civil programs benefits team, providing operational assessments, business case analyses, and investment support for acquisition decisions for the United States Federal Aviation Administration domestic and oceanic NextGen air traffic management programs.

Daniel Webster College, School of Aviation Sciences, Nashua, NH, USA

Director, International Center for Air Transportation Research – U.S. 2008 – 2010

Manager and coordinator for all sponsored air transportation research.

Professor, Aviation Policy and Management 1999 – 2010

Senior faculty at MBA and undergraduate levels for airport planning, aviation management, international aviation, and air transportation economics. Principal investigator for research on airport facilities planning and simulation, aviation policy, and air transportation economics.

Hoyle, Tanner & Associates, Inc., Manchester, NH, USA

Senior Aviation Planner 1992 – 1994, 1998 – 1999

Project manager and senior planner for airport master planning, regional air transportation planning, and aviation forecasting studies.

New Hampshire Dept. of Transportation, Division of Aeronautics, Concord, NH, USA

Chief of Airport Development 1994 – 1998

Chief planner for the State of New Hampshire public use airport system. Responsible for managing State airport capital improvement plan; overseeing airport planning, design, and construction; and supervising the State airfield pavement management program.

Flight Transportation Associates, Inc., Cambridge, MA, USA

Aviation Consultant 1989 – 1992

Planner and technical consultant for airport and air traffic management projects, focusing on large international and U.S. metropolitan airports.

SAMPLE RESEARCH AND PUBLICATIONS

- Karlsson, J. (2011). *Current Status of Federal Aviation Taxes and Fees*. 90th Annual Meeting of the Transportation Research Board. Washington, DC: Transportation Research Board of the National Academies.
- Karlsson, J. (2008). *A Review of U.S. Domestic Ticket Taxes and Fees*. 88th Annual Meeting of the Transportation Research Board. Washington, DC: Transportation Research Board of the National Academies.
- Karlsson, J., et al. (2008). *Airport Economic Impact Methods and Models*, Airport Cooperative Research Program Synthesis 7. Washington, DC: Transportation Research Board of the National Academies.
- Karlsson, J., A. Odoni, and M. B. Gaudet. (2008). Cost of aviation infrastructure in the United States. *Aviation 2008* (Transportation Research Record No. 2052), 28-36.
- Karlsson, J., A. Odoni, C. Geslin, and S. Yamanaka, Airline ticket taxes and fees in the United States and European Union. In Lee, D. (ed.). (2007). *Advances in Airline Economics, Vol. 2: The Economics of Airline Institutions, Operations and Marketing* (pp. 255-274). Amsterdam: Elsevier.
- Karlsson, J. (2002). Preliminary space planning for passenger terminals at developing airports. *International Journal of Applied Aviation Studies*, 2, 41-54.

Full list of academic journal publications, articles, technical reports, conference proceedings, and media appearances available on request. Awarded numerous research grants and contracts from research institutes, foundations, and private organizations, including subcontracts for FAA- and NASA-funded research.

LANGUAGES

- English (fluent), Swedish (fluent), German (advanced), French (intermediate)