



AIRBUS



Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center

Call for Papers “Forecasting Air Transport” Joint Workshop organized by Airbus, DLR and G.A.R.S. Cologne, 6th and 7th October 2016

Forecasting air transport in the short and long run has become an issue which has attracted the more and more attention likewise from industry, policy and academia. The long term nature of investment and the high sensitivity to economic booms and busts has always been seen as a key problem. However, in a strongly regulated industry these issues did not matter as much as today: nowadays, the dynamics of airline markets give rise to tensions in upstream markets and lead also to changes in the governance structure, exposing airports and air traffic control to higher risks. This complexity is challenging the whole value chain, which is especially relevant for aircraft manufacturers with their long development and production cycles.

G.A.R.S. in cooperation with Airbus and the German Aerospace Center (DLR) would therefore like to invite researchers to submit papers with new theoretical or empirical insights, to be presented at a series of workshops in 2016 and 2017.

Topics include (but are not restricted to):

- Future trends in air transport demand, effects of market liberalization
- Air transport and economic cycle. Adjustments to short term crisis by airlines, airports and ATC.
- GDP growth versus long term stagnation (Japan, Eurozone) and effects on air transport demand.
- Competition and cooperation of air transport and other transport modes. Effects of high speed trains, bus liberalization
- Changes in the tourism industry and its effects on air transport
- The effects of population growth versus shrinking and aging population on air transport
- Future business models (hub and spoke, point to point), market segmentation and its demands for types of aircraft
- Lack of data on prices, flows and other key challenges for forecasting models
- New technology and its effects on passenger and cargo air transport
- Dealing with risk and uncertainty in forecasts
- Evaluation of forecasts. Are infrastructure forecasts systematically biased? How well have breakthrough innovations and other aspects (technology, business model developments) and their impacts been forecasted in the past?
- How to forecast new routes in different market segments (long-haul vs. short-haul, network vs. low cost airlines)
- Aircraft size vs. frequency trade-off – how do airlines deal with market growth?
- Short term forecasts – methodologies, approaches, accuracy
- Forecasting of framework data

Theoretical, empirical and case study papers are welcome.

Paper Proposals

Please send an expression of interest in presenting and an abstract no later than 15th July 2016 to Wolfgang Grimme (wolfgang.grimme@dlr.de). Information on acceptance will be provided by 31st July 2016.

Updates at <http://www.garsonline.de>