



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO



האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM



RÉPUBLIQUE
FRANÇAISE
Liberté
Égalité
Fraternité



UNIVERSITÀ
DEGLI STUDI DI BARI
ALDO MORO



6th Symposium on Aviation Research University of Bari, March 20 & 21, 2025

Information on venue & accommodation can be found at:

<https://soarsymposium.github.io/soarSymposium/>

PROGRAM

Full papers: **Presentation up to 30 minutes**, **discussant 5 minutes**, group discussion 5 minutes

Early-papers: **Presentation up to 15 minutes**, group discussion 5 minutes

19 th March		
18:00-20:00	Welcome Reception	
Aula Leogrande, Centro Polifunzionale Studenti, Piazza Cesare Battisti, 1		
20 th March		
8:45-9:00	Opening Session: Angela Stefania Bergantino & Gianmaria Martini	
09:00-9:45	Andreas Schafer	Towards net-zero carbon aviation
Keynote #1 Chair: Nicole Adler		
Aula Magna Cossu, Via Scipione Crisanzio, 1		
Coffee Break		
10:00-12:00 Full Paper Session #1 Chair: Antonio Antunes	Christian Bontemps, Angela Bergantino	Merger between ITA & Lufthansa
	Discussant: Flavio Porta	
	Valeria Bernardo, Xavier Fageda	Fleet Renewal or Supply Growth? The Impact of New Aircraft On Carbon Emissions
	Discussant: Gerben de Jong	
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1.	Li Zou, Martin Dresner, Xiang Wan	Capacity Disruption & Airline Performance: Assessing the Impacts of Boeing 737 Max Grounding on the U.S. Airline Industry
	Discussant: Sonia Huderek-Glapska	
Lunch		

13:00-15:00 Full Paper Session #2 Chair: Angela Bergantino	Qian Liu , Paul Rochet, Chantal Roucolle	Who is My Main Competitor? Measuring Airline Pairwise Competitive Intensity Based on Route Supply Strategies
	Discussant: Gianmaria Martini	
	Adit Kivel , Nicole Adler, David Zucker	Measurement Error Adjusted Stochastic Frontier Analysis: Estimating Efficiency of the European Air Navigation Service Providers
	Discussant: Christian Bontemps	
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1	Frank Fichert , Thi Thuy An Vo	Can more flexibility in Air Navigation Service Provision capacity provision really reduce delays? - A multi-stakeholder analysis
	Discussant: Estelle Malavolti	
Coffee Break		
15:15-16:30 Early-paper Parallel Sessions #3	Chair Session 3a: Adit Kivel	Chair Session 3b: Isabel Pham
	Yifan Xu ; A Stochastic Programming Approach for Gate Assignment Problem under Realistic Constraints	Gianmaria Martini ; The effects of airlines’ cooperation on price & non-price competition: An empirical application to the North Atlantic markets
	Lorenzo Zanchi ; An Integrated Optimization-based Decision Support System for the Airport Check-in Planning	Estelle Malavolti ; The Environmental Impact of Airline Delays: A Focus on Arrival Delays & CO2 Emissions
	Gideon Gottschalg ; A two-stage optimization model for an eVTOL airport shuttle service	Nicolò Avogadro ; Evolution of Hub-and-Spoke Networks: A Passenger-Centric Characterization
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1	Anne Lange ; Predicting Air Cargo Turnaround Times	Sonia Huderek-Glapska ; Determinants & dimensions of the interdependence between air transport & the socio-economic environment in the maturing markets of Central & Eastern Europe
Break		
16:45-18:00 Early-paper Parallel Sessions #4	Chair Session 4a: Branko Bubalo	Chair Session 4b: Sai Bravo
	Gerben De Jong ; Do Airport Emission Charges Work Or Don’t They?	Isabel Pham ; Air cargo competition & the implications for trade
	Doris Antczak ; Determinants of Gap Between Environmental Attitudes & Consumer Behavior in Short-Haul Air Transport	Yuting Chen ; An assessment of context factors influencing airport response & resilience in pre & post COVID-19: Evidence from Europe
	Luca Gallarati ; The impact of conflict on African air traffic	Ane Ripoll-Zarraga ; U.S. Airlines Efficiency: The Benefit-of-the-Doubt DEA Framework with Common Weights
Aula “Don Tonino Bello”, Palazzo Chiaia (Piano Terra, FOR.PSI.COM.), Via Crisanzio, 42	Andrii Pohudin ; The current state & future development of Ukraine’s air transport infrastructure	Andrea Gualini ; Welfare Effects of Electric Aircraft Using an Econometric Structural Model
Dinner reception in city		

21st March

8:45-10:00 Full Paper Session #5 Chair: Anne Lange	Vikrant Vaze , Ahmet Esat Hızır, Cynthia Barnhart	Large-Scale Integrated Airline Recovery using Mixed-Integer Optimization & Supervised Learning
	Discussant: Yifan Xu	
	Benny Mantin , Chiara Morlotti	To jump or not to jump? This is the queue
	Discussant: Antonio Antunes	
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1		
Coffee Break		
10:15-11:30 Full Paper Session #6 Chair: Gianmaria Martini	Nicole Adler , Eran Hanany, Stef Proost	Auctioning Congested Service Networks with Application to Air Traffic Control Markets
	Discussant: Stefano Galavotti	
	Alberto Santini , Vikrant Vaze	Integrated Regional Airline Scheduling Via Column Generation
	Discussant: Benny Mantin	
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1		
Break		
11:45-12:30 Keynote #2 Chair: Christian Bontemps	Myongjin Kim	Technology & Sustainability in Aviation: Navigating Changing Markets & Policies
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1		
Lunch		

13:30-14:45 Full Paper Parallel Session #7	Chair Session 7a: Sonia Huderek-Glapska	Chair Session 7b: Andrea Gualini
	Branko Bubalo: Electro-mobility in Air Transportation: A Comprehensive Simulation Analysis of Aircraft, Drones & Ground Handling Services in Hamburg	Marco Alderighi, Alberto Gaggero, Claudio Piga : Demand-shock characteristics & pricing behavior: A natural experiment from UEFA Euro 2016
	Discussant: Anne Lange	Discussant: Mario Intini
	Antonio Antunes, Alberto Correa Blaite, João Fonseca Bigotte: Vulnerability & resilience of the domestic air transport network of Brazil under the COVID-19 pandemic	Paula Navarro, Anantha Divakaruni: Capacity Disruptions & Pricing: Evidence from US Airlines
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1.	Discussant: Gianmarco Andreana	Discussant: Chantal Roucolle
Coffee Break		



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO



האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM



RÉPUBLIQUE
FRANÇAISE
Liberté
Égalité
Fraternité



UNIVERSITÀ
DEGLI STUDI DI BARI
ALDO MORO



15:00-17:00 Full Paper Session #8 Chair: Gideon Gottschalg	Mattia Borsati , Angela Stefania Bergantino, Xavier Fageda, Mario Intini	Too big to stay? The downsizing of Italy's flag carrier & its consequences on airline pricing
	Discussant: Frank Fichert	
	Xavier Fageda , Katrin Oesingmann	Is there carbon leakage in the European emissions trading system? Evidence from passenger shifts in the aviation market.
	Discussant: Angela Stefania Bergantino	
Aula "Don Tonino Bello", Palazzo Chiaia (Piano Terra, FOR.PSI.COM.), Via Crisanzio, 42	Sai Bravo , Shangrong Chen, Estelle Malavolti	Balancing Air & Rail: Optimal Transportation Mix & the Role of Coopetition in Successive Markets
	Discussant: Davide Scotti	
17:45-18:00	Closing Session: <i>future directions in aviation research</i> António Antunes, Christian Bontemps, Gianmaria Martini, Nicole Adler & all participants	
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1.		