



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO



האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM



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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

Early paper presentation up to 10 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: Davide Scotti	Christian Bontemps, Angela Bergantino	Merger between ITA & Lufthansa
	Discussant: Flavio Porta	
	Qian Liu, Paul Rochet, Chantal Roucolle	Who is My Main Competitor? Measuring Airline Pairwise Competitive Intensity Based on Route Supply Strategies
	Discussant: Gianmaria Martini	
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		



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13:00-15:00 Full Paper Session #2 Chair: Angela Bergantino	Valeria Bernardo, Xavier Fageda		Fleet Renewal or Supply Growth? The Impact of New Aircraft On Carbon Emissions	
	Discussant: Gerben de Jong			
	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	Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1		Aula "Don Tonino Bello", Palazzo Chiaia (Piano Terra, FOR.PSI.COM.), Via Crisanzio, 42	
	Chair Session 3a: Sebastian Birolini		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	
	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	Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1		Aula "Don Tonino Bello", Palazzo Chiaia (Piano Terra, FOR.PSI.COM.), Via Crisanzio, 42	
	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	
		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: Sebastian Birolini	
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	Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1	Aula "Don Tonino Bello", Palazzo Chiaia (Piano Terra, FOR.PSI.COM.), Via Crisanzio, 42
	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 Antonio Antunes, Alberto Correa Blaite , João Fonseca Bigotte: Vulnerability & resilience of the domestic air transport network of Brazil under the COVID-19 pandemic	Discussant: Mario Intini Paula Navarro , Anantha Divakaruni: Capacity Disruptions & Pricing: Evidence from US Airlines



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	Discussant: Gianmarco Andreana	Discussant: Chantal Roucolle
Coffee Break		

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	
17:15-17:45		
Biblioteca dell'Ateneo - Sala Conferenze, Via Scipione Crisanzio, 1.	Closing Session: <i>future directions in aviation research</i> António Antunes, Christian Bontemps, Gianmaria Martini, Nicole Adler & all participants	