

CURRICULUM VITAE

RADOSAV JOVANOVIĆ

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Name Radosav Jovanović

Position Associate Professor (since February 2017)
Division of Airports and Air Traffic Safety
University of Belgrade – Faculty of Transport and Traffic Engineering (UB-FTTE)
Belgrade, Serbia

Nationality Serbian

Place of birth Novi Pazar, Serbia

Date of birth November 27, 1978

Gender Male

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Fields of interest Air Transport Planning & Policy
Applied Air Traffic and Transport Economics (esp. ATM/ATC and airports)

Employment history 2012-2017: Assistant Professor, UB-FTTE
2010-2012: Teaching and Research Assistant, UB-FTTE
2007-2010: Research Assistant, UB-FTTE
2004-2005: Part-time project collaborator, UB-FTTE

Education

2008-2011 PhD in Transport and Traffic Engineering
PhD thesis: “Economic measures for air traffic demand management”
University of Belgrade – Faculty of Transport and Traffic Engineering
Belgrade, Serbia
Award date: November 14, 2011

2005-2006 MSc (Distinction) Transport Planning and Management
Transport Studies Group
University of Westminster
London, UK

1997-2004 Dipl. ing. in Transport and Traffic Engineering,
Air Transport Department,
University of Belgrade - Faculty of Transport and Traffic Engineering,
Belgrade, Serbia

Languages Serbian: native
English: read, write, speak
Russian: read

**Teaching
experience**

“**Introduction to air traffic infrastructure economics**”, course leader, undergraduate course, University of Belgrade – Faculty of Transport and Traffic Engineering (FTTE)
Since academic year 2017/18

“**Economics of Airports and Air Traffic Control and Management**”, course leader, postgraduate course, FTTE, Since academic year 2014/15

“**Air Cargo Transport**”, course leader, undergraduate course, FTTE, Since academic year 2011/12

“**Air Navigation**”, co-lecturer, undergraduate course, FTTE, Since academic year 2014/15

Airport Ground Access – visiting lecture for the senior year students, FTTE, Since academic year 2011/12 (“Airports” – undergraduate course)

Air traffic forecasting – fundamentals: Case study: Serbia and Montenegro Air Traffic Analysis and Forecast – visiting lecture for the senior year students, FTTE, Academic years 2006/07-2008/09 (“Airline Planning and Operations” course)

Introductory airport economics – visiting lecture for the senior year students, FTTE, Academic years 2007/08 – 2016/17 (“Airports” – undergraduate course)

Introductory ANS economics - visiting lecture for the senior year students, FTTE, Academic years 2008/09 – 2016/17 (“Air Traffic Control” – undergraduate course)

“Airline Planning and Operations” (labs, two semester undergraduate course), FTTE – Academic year 2004/05

Air navigation services charges in Europe - visiting lecture at the Faculty of Operation and Economics of Transport and Communications, University of Zilina, Slovakia, March 2009

Airport costs and revenues – lecture at the “Summer School on Air Transport Economics”, organised by University of Belgrade, German Aviation Research Society and Berlin School of Economics and Law, Belgrade, 7-9 September 2009

A Method to Assess Economic Effects of Different ATM Scenarios Using Fast-Time Simulations – visiting lecture at the Università Ca’Foscari di Venezia, Dipartimento di Matematica Applicata, Venice, May 2010

An introduction to economics of ANS provision – lecture at the “Summer School on Air Transport Economics”, organised by University of Belgrade and German Aviation Research Society, Belgrade, 9-13 September 2013

**Papers in peer-
reviewed journals**

S. Starita, A. Strauss, X. Fei, R. Jovanović, N. Ivanov, G. Pavlović, F. Fichert, “Air Traffic Control Capacity Planning under Demand and Capacity Provision Uncertainty” **Transportation Science**, Vol. 54, No. 4, Jul-August 2020, pp. 882-896

N. Ivanov, R. Jovanović, F. Fichert, A. Strauss, S. Starita, O. Babic, G. Pavlovic, “Coordinated capacity and demand management in a redesigned Air Traffic Management value-chain” **Journal of Air Transport Management**, Vol. 75, March 2019, pp. 139-152,

N. Ivanov, F. Netjasov, R. Jovanović, S. Starita, A. Strauss, “Air traffic flow management slot allocation to minimize propagated delay and improve airport slot adherence”. **Transportation Research Part A: Policy and Practice**, 95, 2017, pp. 183–197.

V. Bilotkach, S. Gitto, R. Jovanović, J. Mueller, E. Pels, “Cost-efficiency benchmarking of European air navigation service providers” **Transportation Research Part A: Policy and Practice**, Vol. 77, 2015, pp. 50-60.

R. Jovanović, V. Tošić, M. Čangalović, M. Stanojević,
“Anticipatory modulation of air navigation charges to balance the use of airspace network capacities”
Transportation Research Part A: Policy and Practice, Vol. 61, 2014, pp. 84-99.

R. Jovanović, L. Castelli, O. Babić, and V. Tošić,
“Effects on airline costs of different air traffic management scenarios: an assessment method based on fast-time simulation outputs”,
International Journal of Transport Economics, Vol. XXXVII, No. 3, 2010, pp. 327-352

T. Krstić Simić, R. Jovanović, B. Stojiljković,
“Airport emission charges – economic measures towards sustainable airport development” (in Serbian)
Tehnika LXXIV (1), 2019, pp. 113-120

N. Ivanov, R. Jovanović
“An insight into airline dynamic pricing practices in emerging markets: effects of low cost carriers’ presence on routes from Belgrade ‘Nikola Tesla’ Airport”
Tehnika LXXI (1), 2016, pp. 119-126

R. Jovanović
“Economic measures for air traffic flow management” (in Serbian)
Tehnika, LXVI (6), 2011, pp. 983-988.

**Selected papers
presented at
international
conferences**

R. Jovanović, N. Ivanov, G. Pavlović, O. Babić, F. Fichert, A. Strauss, S. Starita
“Coordinated capacity and demand management in the European core area. Results of a large scale COCTA case study.”
The 8th SESAR Innovation Days, Salzburg, Austria, 3-6 December 2018.

R. Jovanović, N. Ivanov, O. Babić, G. Pavlović, S. Starita, A. Strauss, F. Fichert, A. Vo
“Strategic airspace capacity planning in a network under demand uncertainty”.
Research Workshop on Volatility in Air Traffic and its impact on ATM Performance, organized by Baltic-FAB, FABEC, G.A.R.S. and SGH Warsaw School of Economics, Warsaw, Poland, 15-16 May 2018

S. Starita, A. Strauss, R. Jovanović, N. Ivanov, G. Pavlović, O. Babić, F. Fichert , “Coordinated Capacity and Demand Management in a Redesigned ATM Value Chain. Strategic Network Capacity Planning under Demand Uncertainty”,
The 7th SESAR Innovation Days, Belgrade, Serbia, 28-30 November 2017.

N. Ivanov, R. Jovanović, F. Fichert, A. Strauss, S. Starita,
“Patterns of ATC capacity insufficiencies in Europe: an exploratory analysis”,
Presentation at **21st ATRS World Conference**, 5-8 July 2017, Antwerp, Belgium. Paper 286.

A. Strauss, S. Starita, R. Jovanović, N. Ivanov, F. Fichert,
“Maximizing ATM cost-efficiency by flexible provision of airspace capacity”,
The 6th SESAR Innovation Days, Delft, The Netherlands, 8-10 November 2016.

R. Jovanović, O. Babić, M. Živanović, V. Tošić
“Efficiency vs. flexibility in ATM: can pricing help?”
The 5th SESAR Innovation Days, Bologna, Italy, 1-3 December 2015

R. Jovanović, O. Babić, V. Tošić
“Pricing to reconcile predictability, efficiency and equity in ATM”,
11th USA/Europe Air Traffic Management Research and Development Seminar (ATM2015), Lisbon, Portugal, 23-26 June 2015.

T. Bolić, R. Jovanović, D. Rigonat, A. Cook, G. Tanner, L. Castelli
“Better pricing strategies for ATM?”
The 4th SESAR Innovation Days, Hosted by UPM, Madrid, Spain. 25-27 November 2014

N. Ivanov, R. Jovanović
“Effects of route competition on the dynamics of airline pricing in emerging markets”
Presentation at **18th Air Transport Research Society (ATRS) World Conference**, 17-20 July 2014, Bordeaux, France

R. Jovanović, V. Tošić, M. Stanojević, M. Čangalović,
“Self-financing modulation of air navigation charges to incentivise a more efficient use of airspace capacity”,
5th International Conference on Research in Air Transportation ICRAT 2012, organized by FAA and EUROCONTROL, Berkeley, USA, May 22 – 25, 2012.

P. Ivanova, J. Dostál, I. Hannak, R. Jovanović, and J. Müller,
“Airport Entry and Exit: An Analysis of CEE Countries”,
Paper presented at the **Conference on Privatization and Liberalization with a focus on Network industries and Eastern Europe**, organised by Södertörn University and SITE at the Stockholm School of Economics in cooperation with CBEES. Stockholm, 16-17 June 2011

R. Jovanović,
“Modulation of Route Charges as a Method to Relieve the Airspace Congestion: Problem, Past Contributions and a Way Forward”,
Paper presented at **14th Air Transport Research Society (ATRS) World Conference**, 6-9 July 2010, Porto, Portugal
Proceedings (CD) of the 14th ATRS World Conference, Paper No. 193.

A. Cook, G. Tanner, R. Jovanović, and A. Lawes,
“The Cost of Delay to Air Transport in Europe – Quantification and Management”
Paper presented at **13th Air Transport Research Society (ATRS) World Conference**, 27-30 June 2009, Abu Dhabi, United Arab Emirates
Proceedings (CD) of the 13th ATRS World Conference, Paper No. 107.

R. Jovanović,
“The Cost of Passenger Delays to Airlines: An assessment of the impact of the Regulation (EC) 261/2004”,
Paper presented at **12th Air Transport Research Society (ATRS) World Conference**, July 2008, Athens, Greece
Proceedings (CD) of the 12th ATRS World Conference, Paper No. 51.

R. Jovanović,
“Passengers’ Choice Between Competing Airports”,
Paper presented at the **1st International Conference on Research in Air Transportation ICRAT 2004**, organized by EUROCONTROL Experimental Centre & University of Zilina, Zilina, Slovakia, November 22 – 24, 2004,
Proceedings of the ICRAT 2004, pp. 219-227.

**Professional
experience
(selected projects)**

“Advanced Capacity and Demand Management for European Network Performance Optimization”, CADENZA
SESAR 2020 Exploratory Research (ER-4) Project, GA No. 893380, June 2020 – December 2022
Consortium: University of Belgrade – Faculty of Transport and Traffic Engineering (coordinator), WHU – Otto Beisheim School of Management, UAS Worms, EUROCONTROL, UPC Barcelona (Project Coordinator and leader of WP1 and WP2)

Engage, SESAR Knowledge Transport Network
SESAR 2020 Project, Grant Agreement No 783287, January 2018 – December 2021
Consortium: University of Westminster, Innaxis, TU Delft, UB-FTTE, University of Trieste, Frequentis, EUROCONTROL, EASA
(Member of the Project Executive Board and team leader UB-FTTE)

“Development of Airspace Sectorization Planning Tool with Air Traffic Forecast and Proposal of New Sectorization”
Institute of Faculty of Transport and Traffic Engineering in collaboration with School of Electrical Engineering, University of Belgrade, September 2019 – March 2022.
Client: SMATSA Ltd, Belgrade, Serbia
(Leader of WP2: *Air traffic forecast*)

“Coordinated Capacity Ordering and Trajectory Pricing for Better-performing ATM”, COCTA
SESAR 2020 Exploratory Research (ER-1) Project, GA No. 699326, April 2016 – September 2018
Consortium: University of Belgrade – Faculty of Transport and Traffic Engineering (coordinator), University of Warwick, University of Applied Sciences Worms
(Project Coordinator and leader of WP1 and WP4)

“A support to sustainable development of the Republic of Serbia’s air transport system”

Institute of the Faculty of Transport and Traffic Engineering, University of Belgrade
Research grant from the Ministry of Science and Technological Development, Republic of Serbia,
Project No. TR36033
January 2011 – December 2019
(Leader of WP4: *Economic measures for capacity utilisation management in air transport*)

Maastricht Upper Area Control Centre (MUAC) Stakeholder Survey

July 2015 – April 2016
Consortium: University of Westminster (leader), University of Belgrade – Faculty of Transport and
Traffic Engineering
(Project manager and team leader UB-FTTE)

COST Action TU1408 “Air Transport and Regional Development” (2015-2019)

Member of the Management Committee and Vice-coordinator WG3 (Case studies in core regions)

“Strategic Allocation of Traffic Using Redistribution in Network”, SATURN

Institute of the Faculty of Transport and Traffic Engineering, University of Belgrade, in
cooperation with University of Trieste (consortium leader), Université Libre de Bruxelles, and
University of Westminster
SESAR WP-E Project, June 2013-December 2015
(Principal contributor and leader of WP1 and WP3)

**Summer School on Air Transport Economics, Workshop on aviation infrastructure
economics, and Workshop on Southeast Europe (SEE) air transport issues**, organised by
University of Belgrade - FTTE, G.A.R.S., and supported by German Academic Exchange
Service (DAAD), Belgrade, 9-13 September 2013.
(Summer Schools and Workshops coordinator).

“Comparative study (benchmarking) of the efficiency of Avinor’s airport operations”

GAP Research Project
Client: Norwegian Ministry of Transport and Communication
June 2011 – April 2012
(Project collaborator)

**“Methods for evaluation of development scenarios of the air transport system in Serbia
(airlines, airports, ATC) – safety, efficiency, economic and environmental aspects”**

Institute of the Faculty of Transport and Traffic Engineering, University of Belgrade
Research grant from the Ministry of Science and Technological Development, Republic of Serbia,
Project. No. TR15023
April 2008 – December 2010
(Co-author – topic: *Demand management measures in ATM* & assistant project manager)

**“Report on Scenario, Traffic Forecast and Analysis of Traffic on the TEN-T, taking into
Consideration the External Dimension of the Union – Final Report”**

Petersen M.S., Bröcker J., Enei R., Gohkale R., Granberg T., Hansen C.O., Hansen H.K.,
Jovanović R., Korshenevych A., Larrea E., Leder P., Merten T., Pearman A., Rich J., Shires J.,
Uljed A. (2009),
Institute of the UB-FTTE, sub-consultants in the TEN CONNECT consortium, lead by
TETRAPLAN, Copenhagen
Client: European Commission DG TREN
September 2007 – December 2009
(Principal contributor & assistant project manager FTTE)

**“Summer School on Air Transport Economics” and “Conference on Air Traffic
Management Economics”**

organised by University of Belgrade, German Aviation Research Society and Berlin
School of Economics and Law, and supported by EUROCONTROL, Belgrade, 7-10
September 2009
(Summer School and Conference coordinator)

**“Economic performance indicators in support of mathematical Air Traffic Control (ATC)
simulations”, EPISMAS**

Institute of the Faculty of Transport and Traffic Engineering, University of Belgrade
Client: EUROCONTROL CRDS, Budapest

November 2007 – July 2009
(Principal contributor & assistant project manager)

“National Background Report on Transport for Serbia”

Report prepared in the course of the EC funded FP7 project WBC-INCO.NET
Client: Ministry of Science and Technological Development, Republic of Serbia
February – May 2009
(One of the two report co-authors)

“German Airport Performance”, GAP

A joint research project of: University of Applied Sciences, Bremen; Berlin School of Economics (FHW Berlin); and International University of Applied Sciences, Bad Honnef,
Project sponsored by the Federal Ministry of Education and Research, Germany
October 2005 – December 2008
(External collaborator)

“Serbia and Montenegro Air Traffic Analysis and Forecast”,

Institute of the Faculty of Transport and Traffic Engineering, in cooperation with EUROCONTROL CRDS, Budapest, Hungary,
Client: Serbia and Montenegro Air Traffic Service Agency (SMATSA), Belgrade, Serbia and Montenegro
December 2004 – September 2005
(Co-author)

Textbooks

R. Jovanović, **“Introduction to air traffic infrastructure economics – selected chapters”**,
University of Belgrade – Faculty of Transport and Traffic Engineering, 2016.
ISBN: 978-86-7395-358-8. (in Serbian)

Chapter 16 (“Naknade za usluge kontrole letenja” – Air Navigation Services Charges) in: O. Babic and F. Netjasov: “Kontrola letenja”,
University of Belgrade – Faculty of Transport and Traffic Engineering, 2011. (in Serbian)

Chapter 10 (“Uvod u ekonomiku aerodroma” – An Introduction into Airport Economics) in: B. Mirkovic and V. Tosic: “Vazduhoplovna pristanista II”,
University of Belgrade – Faculty of Transport and Traffic Engineering, 2012. (in Serbian)

Reviewer

- Transportation Research: Parts A, B, C and E
- Journal of Air Transport Management
- Transport Policy
- International Journal of Transport Economics
- CEAS Aeronautical Journal
- Aerospace
- Applied Computing and Informatics

Awards

- Project COCTA: **Jane’s ATC Award 2019**, “Innovation” category. Project leader.
- Paper “Self-financing modulation of air navigation charges to incentivise a more efficient use of airspace capacity” awarded as the best paper in the “Air Transport Economics and Policy” track of the **ICRAT 2012 Conference**.
- Paper “Passengers’ choice between competing airports” awarded as the best paper in the “Airport Operations 2” session of the **ICRAT 2004 Conference**.

Committees and chairmanships

- SESAR Innovation Days (SIDs), Programme Committee, since 2015;
- International Conference on Research in Air Transportation (ICRAT), Programme Committee, since 2015
- European Aviation Conference, Scientific Advisory Board, since 2014;
- Local organisation chair SESAR Innovation Days 2017, Belgrade
- PhD Committee (evaluation and defence) Andrija Vidosavljevic, FTTE, September 2014
- PhD Committee (evaluation and defence) Jovana Kuljanin, FTTE, July 2019
- Management Committee COST Action TU1408 “Air Transport and Regional

Development” (2015-2019)

- Chair of *Economics* session at SIDs 2016, Delft
- Chair of *Flow management* session at SIDs 2017, Belgrade
- Chair of *Flow management* session at SIDs 2018, Salzburg
- Chair of *Economics and performance* session at SIDs 2020, online

Memberships

- German Aviation Research Society (G.A.R.S.)
- The Chartered Institute of Logistics and Transport, UK (CILT), until 2014.