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Procedura selettiva di chiamata per n. 1 posto di **Ricercatore a tempo determinato - Tipologia A** presso il Dipartimento di Ingegneria Informatica, Automatica e Gestionale “Antonio Ruberti”, Facoltà di Ingegneria dell’Informazione, Informatica e Statistica, Settore Scientifico-disciplinare **ING-IND/35**, Settore concorsuale **09/B3** di cui al bando con avviso pubblicato sulla **G.U. – IV** serie speciale **n. 5** in data **20/01/2023**, **codice concorso 2022RTDAPNRR024**

MARTINA GREGORI

Curriculum Vitae

Rome
31/01/2023

Part I – General Information

Full Name	Martina Gregori
Date of Birth	
Place of Birth	
Citizenship	
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	Italian (mother tongue)
	English (professional; 2016: IELTS level C1 – Overall band score 7.5)
	Spanish (basic)

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
Bachelor’s degree	2013	Sapienza University of Rome	Bachelor’s degree in Management Engineering
Master’s degree	2016	Sapienza University of Rome	Master’s degree in Management Engineering
Ph.D.	2021	Sapienza University of Rome	PhD in Industrial and Management Engineering

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
12/2016	10/2017	Sapienza University of Rome	Research assistant (Assegnista di Ricerca) “Le gare e i contratti per l’affidamento dei servizi di trasporto pubblico locale”
11/2017	06/2021	Sapienza University of Rome	PhD Student
01/2021	06/2021	Sapienza University of Rome	Research assistant (Borsista di Ricerca) “Competizione tra operatori di trasporto con rilevanti asimmetrie in termini di grado di leva operativa e capacità di offerta: analisi di welfare”

07/2021	01/2023	Sapienza University of Rome	Postdoctoral researcher(Assegnista di Ricerca) “How new technologies and business models challenge the traditional public transports: analysis and tools to support policy makers in managing the future challenges”
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Part IV – Teaching experience

IV A – Teaching

Year	Institution	Lecture/Course
2021	Sapienza University of Rome	Lecture: <i>Economic and Management Engineering Laboratory</i> . Course: Bachelor’s degree programme in Management Engineering
2022	Sapienza University of Rome	Lecture: <i>Economic and Management Engineering Laboratory</i> . Course: Bachelor’s degree programme in Management Engineering

IV B – Tutoring

Year	Institution	Lecture/Course
2017-2018	Sapienza University of Rome	Tutor: Master II Level (Executive) Local Public Transport Management II Ed.. Department: DIAG.
2019-2020	Sapienza University of Rome	Tutor: Master I Level (Executive) Local Public Transport Management III Ed.. Department: DIAG.
2021	Sapienza University of Rome	Tutor: Economia Applicata, course in Bachelor’s degree programme in Management Engineering. (Prof.: Alberto Nastasi)
2022	Sapienza University of Rome	Tutor: Master II Level (Executive) Local Public Transport Management IV Ed.. Department: DIAG.
2022-2023	Sapienza University of Rome	Tutor: Economics of Technology and Management, course in Master’s degree programme in Management Engineering. (Prof.: Tiziana D’Alfonso)

Part V - Society memberships, Awards and Honors

Year	Title
2015	Scholarship for Thesis Abroad (2821.00€ gross), Faculty i3S – Sapienza University of Rome
2017-2021	Scholarship for PhD Student position, Sapienza University of Rome
Since 2018	Member of the Associazione italiana di Ingegneria Gestionale (AiIG)
2021	Licensed as Information Engineer (after passing the governmental exam)
Since 2021	Member of the Società Italiana di Economia dei Trasporti e della Logistica (SIET)
Since 2022	Member of the International Transport Economics Association (ITEA)
Since 2022	Member of the Società Italiana di Econometria (SIeE)

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

VI A – Grants as PI- Principal Investigator

Year	Title	Program	Grant value
2019-2020	Will Flixbus make you go by car? Effects of a disruptive business model with limited capacity on a monopoly characterised by high indivisibility: competitive behaviours and social welfare implications [PI]	Grant provided by Sapienza University of Rome	€ 1k

VI A – Grants as I- Investigator

2017-2019	Methods and procedure for the allocation of national public resources in the Italian local public transport sector [I]	Grant provided by Sapienza University of Rome
2018 - 2018	Efficienza e qualità nel TPL – I costi standard [I]	Grant provided by DIAG Sapienza University of Rome and ANAV (Associazione Nazionale Autotrasporto Viaggiatori)
2016-2020	Comparing Governance Regime Changes in Higher Education: systemic performances, national policy dynamics, and institutional responses. A multidisciplinary and mixed methods analysis. [I]	PRIN 2015
2016-2018	Mobility Operation Platform [I]	Grant provided by national government and Almoviva Spa

Part VII – Research Activities

VII A – Research topics

Keywords	Brief Description
Transport System analysis	Transport Systems are composed of interconnected multi-modal transport services active on a continuous (more or less extended) area; both private transport and public transport. Public passenger transport represents a key factor in any transport system. The category includes any urban, regional and medium-distance transport provided as a collective scheduled service, and it has a crucial role in enhancing accessibility and assuring mobility rights even to the part of the population that usually does not have access to other private forms of transportation. Martina Gregori studies the overall (social) impact associated with alternative transport systems configuration. In particular, she studied and modelled general frameworks (for both urban and intercity transport connections) including actors involved, competencies, and activities associated with each phase of transport systems production (from the planning phase to dispatching).
Railway systems analysis	Martina Gregori investigates railway transport systems making use of different levels of analysis. She had been studying how rail transports performance is assessed (including efficiency, effectiveness and external impacts). She investigates infrastructure cost models, operating cost models and external impacts associated with rail-based transport solutions production. She works on the definition of tools for policymakers, to support the identification of transport modes optimal to serve specific routes, minimising the production costs while taking into account the travellers' satisfaction and the generated external impact.
Transport Economics – External impacts	Transport systems are associated with severe and well-known negative externalities, ranging from the direct road users' (valuable) time loss to the air and noise pollution indirect effects bear by society. Martina Gregori has been including in her analysis of transport systems costs elements taking into account the external effects impacts, discussing how the differentiated effect of different transport modes could have a role in defining the “optimal” transport solution from the social welfare point of view.
Transport Economics – Congestion (evolution and pricing)	Congestion phenomena are associated with significant negative externalities, including travellers' discomfort and loss of valuable time. Considering the forecasted increment in transport demand (only slowed down, but not stopped, by the Covid-19 pandemic) and the emergence of zero and low-emission vehicles technologies (which will in the future limit the environmental impact issues), mitigating the congestion will be increasingly relevant. Martina Gregori studies the congestion evolution (i.e. on the micro-level, urban context, human behaviour influences on the road traffic generation and dissolution), and congestion pricing models (or alternative strategies) that public authorities could implement to direct the transport demand behaviour (contexts: urban areas, airport congestion due to airlines operations).

Industrial Organization – Regulation and capacity limitation	Martina Gregori In particular, focusing on transport systems, she investigates the reciprocal interaction between rail-based and bus-based solutions: which is the most effective (in a broad sense, including consideration of the overall social welfare associated with each solution) in answering a specific demand profile, and what the type of competitive relationships generated on single markets. In particular, she studies how intervention in the regulation by the public authorities could optimise / compromise transport systems' efficiency and effectiveness (from the social welfare point of view). Her investigations include extensive consideration of the potential effects on demand satisfaction and transport systems equilibrium in presence of a limit on capacity (imposed on the transport operators).
Higher Education Systems	Martina Gregori investigates the Higher Education Systems characteristics, with a special focus on the element generating heterogeneity either among institutions at the national level or among differentiated national systems.

VII B – Research groups

Year	Group
Since 2016	“Industrial Organization and Management”. Other members (at 01/02/2023): <i>Leader</i> : Alberto Nastasi; <i>Members</i> : A. Annarelli, A. Avenali, G. Catalano, C. Conti, I. D’Adamo, T. D’Alfonso, C. Daraio, F. Di Pillo, L. Fraccascia, R. Marzano, G. Matteucci, F. Nonino, G. Palombi, P. Reverberi, C. Acciarini, M. Gregori, G. Quaglia, L. Vona; <i>Affiliated</i> : R.M. D’Angelico; <i>PhD Students</i> : S. Di Leo, M. Giagnorio, F. Petitti, V. Schiaroli.

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	4	Scopus	2019	2021

Total Impact factor	6.225 (Database: Web of Science)
Average Impact factor	1.556 (Database: Web of Science)
Average Impact factor (excluding papers published in journals without registered impact factor)	3.1125 (Database: Web of Science)
Total Citations	37 (Database: Scopus)
Average Citations per Product	9.25 (Database: Scopus)
Hirsch (H) index	3 (Database: Scopus)
Normalized H index*	0.75 (Database: Scopus)
Normalized H index**	0.75 (Database: Scopus)

*computer according to Sidiropoulos A., Katsaros D., Manolopoulos Y. (2007). Generalized Hirsch h-index for disclosing latent facts in citation networks, *Scientometrics*, Volume 72, pages 253-280.

**H index divided by the academic seniority – 4 years of academic activity (the first paper was published in 2019).

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

N	Authors	Year	Title	Journal	IF	Scopus citations
1	Avenali, A., Catalano, G., D'Alfonso, T., Giagnorio, M., Gregori, M. , & Matteucci, G.	2021	A bottom-up cost model for rail-based regional public transport services: the Italian context.	<i>International Journal of Transport Development and Integration</i> (vol. 5.4, pp. 327-339)	Not applicable	0
2	Bruni, R., Catalano, G., Daraio, C., Gregori, M. , & Moed, H.F.	2020	Studying the heterogeneity of European higher education institutions	<i>Scientometrics</i> (vol. 25, n. 2, pp. 1117-1144)	3.238	5
3	Avenali, A., Catalano, G., Gregori, M. , & Matteucci, G.	2020	Rail versus bus local public transport services: A social cost comparison.	<i>Transportation Research Interdisciplinary Perspectives</i> (vol. 7, article number: 100200)	Not applicable	6
4	Catalano, G., Daraio, C., Diana, M., Gregori, M. , & Matteucci, G.	2019	Efficiency, effectiveness, and impacts assessment in the rail transport sector: a state-of-the-art critical analysis of current research.	<i>International Transactions in Operational Research</i> (vol. 26, n. 1, pp. 5-40)	2.987	26

Part X– Overall list of publications

Papers published in journals

Avenali, A., Catalano, G., D'Alfonso, T., Giagnorio, M., Gregori, M. , & Matteucci, G. (2021) A bottom-up cost model for rail-based regional public transport services: the Italian context. <i>International Journal of Transport Development and Integration</i> , vol 5.4, pp. 327-339.
Bruni, R., Catalano, G., Daraio, C., Gregori, M. , & Moed, H.F. (2020) Studying the heterogeneity of European higher education institutions. <i>Scientometrics</i> , vol. 25, n. 2, pp. 1117 – 1144.
Avenali, A., Catalano, G., Gregori, M. , & Matteucci, G. (2020) Rail versus bus local public transport services: A social cost comparison. <i>Transportation Research Interdisciplinary Perspectives</i> , vol. 7, Article number: 100200.
Catalano, G., Daraio, C., Diana, M., Gregori, M. , & Matteucci, G. (2019) Efficiency, effectiveness, and impacts assessment in the rail transport sector: a state-of-the-art critical analysis of current research. <i>International Transactions in Operational Research</i> , vol. 26(1), pp. 5 – 40.
D'Alfonso, T., Gregori, M. , Silva, H., & Basso, L. (2022). La economía de los aeropuertos: Estado del arte. <i>Estudios de Transporte</i> , vol. 23, n. 2, pp. 1-24.

Paper in journals - Under review

Avenali, A., Gregori, M. , & Reverberi, P. (2023) Intercity bus and rail services: Competition and welfare effects. Under review: <i>Transportation Research Part A</i> .
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Proceedings

Avenali, A., Gregori, M. , Reverberi, P. (2020), Effects of bus-based disruptive business models with limited capacity on rail monopolies: social welfare implications, <i>Urban Transport XXVI</i> , vol. 200.
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Bruni, R., Catalano, G., Daraio, C., **Gregori, M.** and Moed, H. F. (2019), Characterising the Heterogeneity of European Higher Education Institutions Combining Cluster and Efficiency Analysis. In 17th International Conference on Scientometrics and Informetrics (ISSI2019), September 2nd – 5th 2019, Sapienza University of Rome, Rome (Italy).

Catalano, G., Daraio, C., **Gregori, M.**, Moed, H. and Ruocco, G. (2017), A scaling approach to tackle the heterogeneity of HEIs, International Conference on Scientometrics & Informetrics (ISSI 2017), Wuhan (China), October 16th – 20th 2017, poster session.

Chapter in Handbooks

D'Alfonso T., **Gregori, M.**, Basso, L., Silva, H. (2023). The economics of airports' pricing. *Handbook on Transport Pricing and Financing*. Publication date: May 2023; ISBN: 978 1 80037 554 3. (*in press*)

Papers presented (by Martina Gregori or co-authors) at international conferences

Avenali, A., **Gregori, M.**, Reverberi, P. (2022), Long distance bus and rail services: competitive interactions between providers with different operating leverage, welfare effects and the role of public subsidies. In ITEA2022 Toulouse (International Transport Economics Association) June 15th – 17th 2022, Toulouse (France).

Basso, L.J., **Gregori, M.**, Silva, H. (2021), The goods-leisure model in the bottleneck: when time is not only money. In ITEA2021 Rome (International Transport Economics Association) June 24th – 26th 2021, Rome (Italy) – Online.

Avenali, A., **Gregori, M.**, Reverberi, P. (2021), How bus-based disruptive business models with limited capacity impact long-haul rail monopolies: social welfare implications. In ITEA2021 Rome (International Transport Economics Association) June 24th – 26th 2021, Rome (Italy) – Online.

Avenali, A., **Gregori, M.**, Reverberi, P. (2020), Effects of bus-based disruptive business models with limited capacity on rail monopolies: social welfare implications. In 26th International Conference on Urban Transport and the Environment (WIT – Urban Transport 2020), September 8th – 10th 2020, Bilbao (Spain) – Online.

Avenali, A., **Gregori, M.**, Reverberi, P. (2020), The long haul transport market evolution: could the railways versus Flixbus competition result in a less satisfied demand?. In European Transport Conference (ETC 2020) – Association for European Transport, September 9th – 11th 2020, Politecnico di Milano, Milano (Italy) – Online.

Gregori, M., Avenali A., Catalano G., Matteucci, G., Nash, C. (2018), In what circumstances is suburban rail economically justified? Observation from British context, Procurement design of local public transport services – E2 WCTRS, Rome (Italy), November 15th – 16th 2018.

Daraio, C., **Gregori, M.**, Catalano, G. & Moed, H. (2018), Tackling the heterogeneity of HEIs by combining different data sources and applying advanced conditional benchmarking techniques, Science, Technology and Innovation (STI 2018), Leiden (The Netherlands), September 12th – 14th 2018.

Papers presented (by Martina Gregori or co-authors) at national conferences

Basso, L., **Gregori, M.**, Silva, H. (2022), The goods-leisure model in the bottleneck: when time is not only money. In XXXIII RSA AiIG (Associazione Italiana Ingegneria Gestionale) October 20 – 21st 2021, Roma (Italy).

Avenali, A., **Gregori, M.**, Reverberi, P. (2021), How bus-based disruptive business models with limited capacity impact long-haul rail monopolies: social welfare implications. In XXXII RSA AiIG (Associazione Italiana Ingegneria Gestionale) October 21st – 22nd 2021, Napoli (Italy).

Avenali, A., **Gregori, M.**, Reverberi, P. (2021), How disruptive business models impact long-haul rail monopolies: social welfare implications. In SIET2021 Rome (Società Italiana Economia dei Trasporti e della Logistica) September 30th – October 1st 2021, Rome (Italy) – Online.

Bruni, R., Catalano, G., Daraio, C., **Gregori, M.** and Moed, H. F. (2019), A multi-level and multi-method analysis to characterize the heterogeneity of European higher education institutions, XXX Riunione Scientifica Annuale AiIG 2019, Torino (Italy), October 17th – 18th 2019.

Usami, D., **Gregori, M.**, Persia, L., Petrichella, L. and Raffone, A. (2019). An analysis of Operational Transport Integration in selected countries, in Convegno SIDT2019 (Società Italiana Docenti di Trasporto), September 11th – 13th 2019, Salerno (Italy).

Avenali, A., Catalano, G., **Gregori, M.**, Matteucci, G & Nash, C. (2017), In what circumstances is suburban rail economically justified? Observation from British context, XIX Conference of the Italian Association of Transport Economic (SIET) – Growth and Mobility: the transport challenge, Bari (Italy), October 5th – 6th 2017.

Part XI – Editorial Activities

Year	Activity
2019	Member of the Scientific Committee - 17th International Conference on Scientometrics & Informetrics, September 2nd – 5th 2019, Sapienza University of Rome, Italy.
Since 2019	Reviewer the following journals: Research in Transport Policy, Transport Policy, Scientometrics.
Since 2019	Reviewer for the International Conference on Scientometrics & Informetrics (ISSI2019 – Rome, Italy; ISSI2021 – Leuven, Belgium; ISSI2023 – Bloomington, USA)
Since 2021	Reviewer for the RSA AiIG – <i>Riunione Scientifica Annuale dell'Associazione italiana di Ingegneria Gestionale</i>

Part XII – Other Activities

Year	Activity
2016	Research Student (for Master Degree dissertation): Institute for Transport Studies (ITS), University of Leeds (UK). Supervisor: Prof. Chris Nash. Duration: 5 months.
2017	Participant to the “Comitato di Monitoraggio” activities, Faculty of Information, Informatics and Statistics, Sapienza University of Rome.
2019	Curatorship of Conference Proceedings: Catalano G., Daraio C., Gregori M. , Moed H.F., Ruocco G. (2019), Proceedings of the 17th International Conference on Scientometrics & Informetrics, 2-5 September 2019, Sapienza University of Rome, Italy, Edizioni Efesto, ISBN: 978-88-3381-118-5, August 2019 (2 volumes, approximately 2800 pages).
2019	Visiting PhD Student – topic Transport Economics. Facultad de Ciencias Físicas y Matemáticas, Universidad de Chile. Supervisor: Prof. Leonardo J. Basso. Duration: 10 months.
Since 2020	Member of the communications and social media team. Role covering the Bachelor’s degree and the Master degree programme in Management Engineering, in Sapienza University of Rome.
2021	Research assistant (<i>contract: “lavoro autonomo”</i>) for research activities for the research project “ <i>Studi e ricerche nel Sistema dei trasporti: politiche di mitigazione della congestione</i> ”.
2021	Member of the Organizing Committee – ITEA2021 The annual conference of the International Transportation Economics Association (ITEA).
21/04/2022	Speaker for a seminar in the course in Economic and Management of Public Administrations, Master’s degree programme in Management Engineering (Sapienza University of Rome): Seminar “Il trasporto pubblico locale: il modello del costo standard” (Professor: Alberto Nastasi).
28/05/2022	Teacher for a seminar in the Interdisciplinary Education Course (“Corso di Formazione Interdisciplinare Sapienza in Le scienze della sostenibilità: la transizione culturale, ecologica e digitale”, a.a. 2021/2022, Sapienza University of Rome): Seminar on May 28th 2022: “Trasporti a lunga percorrenza: effetti della competizione intermodale ferro-gomma e implicazioni sul benessere sociale”.
2023	Member of the team supporting the International Students selection, reception and integration – Master’s degree programme in Management Engineering, Sapienza University of Rome.

Degree Theses/Project Work supervised

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| 1. Gli sviluppi del trasporto rapido di massa: l'analisi dei diversi sistemi di alimentazione elettrica. (Thesis; co-supervisors: Prof. Giuseppe Pasquale Roberto, PhD Mirko Giagnorio; Anna Maria Proietti, Master's degree programme in Management Engineering, a.y. 2021/2022, Sapienza University of Rome) |
| 2. Gli impatti socio-economici del rinnovo del parco rotabile extraurbano su gomma: il caso della Regione Puglia (Project Work; co-supervisors: PhD Mirko Giagnorio, PhD Davide Shingo Usami; Giuseppe Dibattista, Master executive in Local Public Transport Management, a.a. 2019/2020 Sapienza University of Rome) |
| 3. Supervisor for 108 thesis, Bachelor's degree programme in Management Engineering , a.y. 2021/2022, Sapienza University of Rome. |