

Allegato 8 alla Domanda

Versione del curriculum vitae scientifico professionale, priva di dati di cui non è opportuna la pubblicazione (dati anagrafici, codice fiscale, numero di telefono, indirizzo mail, residenza anagrafica), redatta in modo da garantire la conformità del medesimo a quanto prescritto dall'art. 4 del Codice in materia di protezione dei dati personali e dall'art. 26 del D. Lgs. 14 marzo 2013, n. 33, al fine della pubblicazione, e contrassegnata per la destinazione "ai fini della pubblicazione".

Procedura valutativa di chiamata per n. 1 posto di Ricercatore a tempo determinato RTT

Dipartimento di Scienze Statistiche

Facoltà Ingegneria dell'Informazione, Informatica e Statistica

Settore Scientifico Disciplinare MAT/09, Settore Concorsuale 01/A6

Codice Concorso 2023RTTR019

Bando emanato con D.R. n. 984/2023 del 20/04/2023

Candidata Lavinia Amorosi

Curriculum Vitae

Part I – General Information

omessi in modo da garantire la conformità del Curriculum Vitae a quanto prescritto dall'art. 4 del Codice in materia di protezione dei dati personali e dall'art. 26 del D. Lgs. 14 marzo 2013, n. 33, al fine della pubblicazione, e contrassegnata per la destinazione “ai fini della pubblicazione”

| | |
|------------------|--|
| Spoken Languages | Italian (mother tongue) and English (B2 level) |
|------------------|--|

Part II – Education

IIA

| Type | Year | Institution | Notes (Degree, Experience,...) |
|-----------------------|------|---|--|
| University graduation | 2012 | Sapienza University of Rome | Bachelor in Math (Grade 110/110) |
| Post-graduate studies | 2014 | Sapienza University of Rome | Master in Statistical and Decision Sciences (Grade 110 cum laude/110) |
| PhD | 2018 | Sapienza University of Rome | PhD in Operational Research (Grade Ottimo cum laude) |
| Licensure | 2023 | Ministero dell'Università e della Ricerca | National Scientific qualification as associate professor for the disciplinary field of 01/A6 - Operations research |

IIB - Courses and PhD schools

| Type | Year | Institution | Notes (Degree, Experience,...) |
|------------|------|--------------------------------|--|
| Course | 2015 | CINECA | Course on “Introduction to Parallel Computing with MPI and OpenMP” |
| PhD School | 2015 | University of Brescia and EURO | “EURO PhD School on Routing and Logistics” |
| PhD School | 2015 | Zuse Institute of Berlin | PhD School on “Combinatorial Optimization at Work” (CO@work) |
| PhD School | 2016 | EURO | Winter PhD School on Network Optimization (NetOpt2016) |

Part III – Appointments

IIIA – Academic Appointments

| Start | End | Institution | Position |
|------------|------------|-----------------------------|--------------------------|
| 01-04-2018 | 31-03-2019 | Sapienza University of Rome | 1-year Post-doc position |

| | | | |
|------------|------------|-----------------------------|--|
| 08-04-2019 | 07-04-2022 | Sapienza University of Rome | RtdA position |
| 08-04-2022 | 07-04-2024 | Sapienza University of Rome | 2-years extension of the RtdA position |

IIIB – Other Appointments

| Start | End | Institution | Position |
|--------------|------------|---|------------------------------|
| 01-11-2017 | 31-03-2018 | Consorzio Nazionale Interuniversitario per le Telecomunicazioni | 5-months Researcher position |

Part IV – Teaching experience

IVA – Ph.D level

| Year | Institution | Lecture/Course |
|-------------|---|--|
| 2020 | PhD Program in Statistics Sapienza University of Rome | 10 hours course "La Ricerca Operativa incontra la Statistica" |
| 2020 | PhD Program in Math University of Seville | 10 hours course "Multi-Objective Optimization" |
| 2022 | PhD Program in Math, Physics and Applications, University of Salerno | 10 hours course "Multi-Objective Optimization" |

IVB – MBA level

| Year | Institution | Lecture/Course |
|-------------|---|---|
| 2017-2018 | Postgraduate level II master in "Data intelligence e strategie decisionali", Sapienza University of Rome | Teaching assistant in the lab activities |
| 2021-2023 | Postgraduate level II master in "Data intelligence e strategie decisionali", Sapienza University of Rome | 20 hours course on "Optimization of Complex Systems" |

| | | |
|-----------|--|---------------------------------------|
| 2022-2023 | Postgraduate level II master in "Data intelligence e strategie decisionali", Sapienza University of Rome | 15 hours course on "Interpretable AI" |
|-----------|--|---------------------------------------|

IVC – Master level

| Year | Institution | Lecture/Course |
|-----------|--|--|
| 2015-2017 | Master in “Scienze Statistiche” Sapienza University of Rome | Decision Support Models Lab (3 CFU) |
| 2019-2021 | Master in “Statistical Methods and Applications” Sapienza University of Rome | Module I on “Integration in Decision Modeling” for the course of "Case Studies and Statistical Consulting” |
| 2021-2022 | Master in “Scienze Statistiche” Sapienza University of Rome | <ul style="list-style-type: none"> - Data Driven Decision Making (6 CFU) - Data Driven Decision Making Lab (3 CFU) |

IVD – Bachelor’s level

| Year | Institution | Lecture of the Course |
|-----------|---|--|
| 2016-2018 | Bachelor in “Statistica Gestionale” Sapienza University of Rome | Logistic Lab (3 CFU) |
| 2017-2018 | Bachelor in “Computer, Control, and Management Engineering”, Sapienza University of Rome (Latina) | Operational Research (6 CFU) |
| 2018-2019 | Bachelor in “Computer, Control, and Management Engineering”, Sapienza University of Rome | Operational Research (9 CFU) |
| 2019-2021 | Bachelor in “Statistica Gestionale” Sapienza University of Rome | <ul style="list-style-type: none"> - Logistic Lab (3 CFU) - Operational Research Lab (3 CFU) |

| | | |
|-----------|--|---|
| 2020-2021 | Bachelor in “Statistica Gestionale” Sapienza University of Rome | Methods and Models for Logistic (6 CFU) |
| 2022-2023 | Bachelor in “Statistica Gestionale” Sapienza University of Rome | - Operational Research (9 CFU) - Operational Research Lab (3CFU) |

IVE – Supervised theses

| Role | Theses Type | Number |
|---------------|--------------------|---------------|
| Co-supervisor | Master | 9 |
| Supervisor | Master | 2 |
| Co-supervisor | Bachelor | 3 |
| Supervisor | Bachelor | 8 |

Part V –Roles and Organizational Activities within the Department of Statistical Sciences – Sapienza University of Rome

| Role | Description | Year |
|-------------|--|-------------|
| Member | “Commissione Orientamento in ingresso” | 2019-2022 |
| Member | “Commissione Internazionalizzazione” | 2023 |
| Member | “Giunta di Facoltà dell’Informazione, Informatica e Statistica – Rappresentante dei Ricercatori” | 2023 |

Part V - Society memberships, Conference Organization and Editorial Activities

| Year | Description |
|-------------|--|
| 2016 | Co-founder of AIROYoung, the youth chapter of the Italian Operational Research Association (AIRO). |
| 2017 | Workshop Organiser , together with Alberto Maria Santini, of the 1st AIRO Young Workshop, on the theme "Emerging Optimization Problems on Complex Networks", Rome, February 16-17, 2017. |
| 2018 | Co-founder of EUROYoung, a group of young OR scientists from EURO member countries. |
| 2018-2021 | Coordinator , together with Martina Fischetti, of AIROYoung. |
| 2019 | Chair of the Organising Committee of the 3rd AIROYoung Workshop + 1st AIROYoung PhD school on the theme "Advanced Methods in Optimization and Data Science", Rome, March 26-29, 2019. |
| 2019 | Member of the Organising Committee of the 1st EURO Young Workshop, Seville, May 2-3, 2019. |
| 2019 | Co-chair of the AIROYoung session at EURO2019 with the title "Young Researchers in CO" for the stream Combinatorial Optimization, Dublin, June 23-26, 2019. |
| 2020 | Member of the Organising Committee of the 4th AIROYoung Workshop on the theme "New Advances in Optimization, Machine Learning and Data Science", Bozen, February 5-7, 2020. |
| 2020 | Guest editor , together with Martina Fischetti, of the special issue "The AIROYoung Experience: Operations Research for Young Enthusiasts" on Springer Nature Operations Research Forum, Vol. 1 (15), 2020. |
| 2021 | Co-chair of the AIROYoung session at EURO2021 with the title "(AIRO) Young Researchers in OR" for the stream Combinatorial Optimization, Athens (and online), July 11-14, 2021. |
| 2021 | Member of the Organizing Committee of the 1st Hybrid and the 50th AIRO International Conference in Optimization and Decision Sciences (ODS2021) on the theme "Optimization in Artificial Intelligence and Data Science", Rome, September 14-17, 2021. |

| | |
|------|--|
| 2021 | Member of the Program Committee of the 1st Hybrid and 50th AIRO International Conference in Optimization and Decision Sciences (ODS2021) on the theme "Optimization in Artificial Intelligence and Data Science", Rome, September 14-17, 2021. |
| 2021 | Editor of the book "Optimization in Artificial Intelligence and Data Sciences - ODS, Rome, Italy, September 14-17, 2021" of the AIRO Springer Series. |
| 2022 | Member of the Scientific Committee of the 11th Triennial Symposium on Transportation Analysis (TRISTAN XI), Mauritius, June 19-25, 2022. |
| 2023 | Organizer and Chair of the "Recent advances in pure and mixed integer multi-objective optimization" session at the "IFORS2023", 23rd Conference of the International Federation of Operational Research Societies, Santiago del Chile, July 8-11, 2023. |
| 2023 | Workshop Organiser of "RAMOO 2023", 10th Workshop on Recent Advances in Multi-Objective Optimization, Sapienza University of Rome, September 14, 2023. |

Part VI - Awards and Honors

| Year | Title |
|------|---|
| 2020 | Winner of the YoungWomen4OR 2020 Award. |

Part VII - Conferences, Seminars and Tutorials

| Year | Description |
|------|--|
| 2016 | Poster session at "ODS2016", International Conference on Optimization and Decision Science, Trieste, September 6-9, 2016. |
| 2017 | Speaker at the "1st AIRO Young Workshop", on the theme "Emerging Optimization Problems on Complex Networks", Rome, February 16-17, 2017. |
| 2018 | Speaker at the "2nd AIRO Young workshop", on the theme "Logistics Optimization and Applied Operational Research", Cosenza, March 1-2, 2018. |

| | |
|------|--|
| 2018 | Speaker at "IEEE EE2018", International Conference on Environmental Engineering, Milan, March 12-14, 2018. |
| 2018 | Speaker at "ODS2018", International Conference on Optimization and Decision Science, Taormina, September 10-13, 2018. |
| 2019 | Tutorial at the "1st AIROYoung PhD school", on the theme "Advanced Methods in Optimization and Data Science", Rome, March 26-29, 2019. |
| 2019 | Tutorial at the "1st EUROYoung workshop", Seville, May 2-3, 2019. |
| 2019 | Invited lecturer at the "Training Course on Railway Optimization", Roma Tre University, Rome, May 27, 2019. |
| 2019 | Session chair and speaker at "EURO2019", 30th European Conference on Operational Research, Dublin, June 23-26, 2019. |
| 2019 | Speaker at "INFORMS2019", Seattle, October 20-23, 2019. |
| 2019 | Invited speaker at NASA Ames Research Center, Mountain View (Silicon Valley, CA), October 29, 2019. |
| 2020 | Speaker at "IWOLOCA2020", IMUS, Seville, January 23-24, 2020. |
| 2020 | Invited seminar at IMUS, Seville, February 18, 2020. |
| 2020 | Invited seminar at IMUS, Seville, October 30, 2020. |
| 2021 | Session chair and speaker of 2 talks (1 in the YoungWomen4OR stream) at "EURO2021", 31st European Conference on Operational Research, Athens, July 11-14, 2021. |
| 2021 | Speaker at "IFORS2021", 22nd Conference of the International Federation of Operational Research Societies (online), August 22-27, 2021. |
| 2021 | Invited speaker at "RAMOO 2021", 8th International Workshop on Recent Advances in Multi-Objective Optimization (online), September 23, 2021. |
| 2021 | Invited speaker at "Machine Learning NeEDS Mathematical Optimization", November 15, 2021. |

| | |
|------|---|
| 2022 | Speaker at "MCDM2022", 26th International Conference on Multiple Criteria Decision Making, Portsmouth, June 26 – July 1, 2022. |
| 2022 | Session chair and speaker at "EURO2022", 32nd European Conference on Operational Research, Espoo, July 3-6, 2022. |
| 2022 | Session organizer and speaker at "ODS2022", 51st AIRO International Conference in Optimization and Decision Sciences, Florence, August 30 - September 2, 2022. |
| 2023 | Invited speaker at "3SMINLP", 3rd Sevilla MINLP Workshop, Seville, March 30-31, 2023. |
| 2023 | Session organizer and speaker at "IFORS2023", 23rd Conference of the International Federation of Operational Research Societies, July 10-14, 2023, Santiago del Chile. |

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

| Year | Title | Grant value |
|-------------|--|--------------------|
| 2014-2015 | Investigator in LIFETEL Sapienza Awards Project | |
| 2016-2017 | Investigator in DIAMETER Sapienza Awards Project | |
| 2017 | Principal Investigator in Sapienza project "A new approach to determine a complete set of Pareto optimal solutions for the bi-objective Minimum Spanning Tree Problem in Telecommunication Networks" | |
| 2016-2018 | Investigator in Sapienza project "Mobility and Logistic Optimization Models in the New Perspective of Big Data Paradigm" | |

| | | |
|------------|---|--|
| 2016-2019 | Investigator in PRIN project "Transportation and Logistics Optimization in the Era of Big and Open Data" | (Department of Statistical Sciences unit) |
| 2018-2023 | Investigator in Sapienza project "Dynamic and Bi-Criteria Network Models for Smart City Logistics" | |
| 2019-today | Principal Investigator in Sapienza project "Combinatorial Optimization Models for Highly Hybrid Fleet Distribution Systems" | |
| 2020-today | Investigator in Sapienza project "Models and algorithms for partitioning problems on graph" | |
| 2022-today | Principal Investigator in Sapienza project "Eco-routing decisions based on multiple objectives and limited memory" | |
| 2023 | Investigator in PRIN project "Time- dependent optimization for sustainable transportation" | (Department of Statistical Sciences unit) |

Part IX – Visiting Professor Proposals and Funding

| Year | Title | Grant value |
|------|---|-------------|
| 2020 | Proposer for one month research visit of Prof. Matthias Ehrgott with the research project "Two-phase algorithms for multi- objective network flow problems" funded by Sapienza University of Rome | |
| 2021 | Proposer for one month research visit of Prof. Justo Puerto with the research project "Truck-Drone Arc Routing Problems (ARPs)" funded by Sapienza University of Rome | |

Part X – Research Activities

XA – Research Interests

| Keywords | Brief Description |
|--|--|
| Multi-objective Programming | <p>In this area the research focuses on multi-objective optimization both for classical combinatorial (graph) problems and for real life problems properly formalized like:</p> <ul style="list-style-type: none"> - design and implementation of a new exact method for the bi-objective minimum spanning tree problem - multi-objective and multi-period management problem of energy storage and flows in residential building equipped with a solar panel system - mathematical models for multi-objective management problems in 5G networks |
| Routing and Network Optimization | <p>In this area the research focuses on routing problems, also with drones, and network problems in telecommunications, like:</p> <ul style="list-style-type: none"> - exact formulations and tailored matheuristic algorithm for coordinating drones with mothership vehicles in arc routing problem with graphs - models of coordination of an all-terrain vehicle and a multivisit drone - lifetime optimization of telecommunication networks |
| Mathematical Optimization for Statistics | <p>Mathematical modeling and solution strategies for sparse canonical correlation analysis to improve quality of the solutions</p> |
| Combinatorial Optimization | <p>In this area methods of operation research are adopted to solve real life problems like:</p> <ul style="list-style-type: none"> - customized set covering problems to optimally generate trains calendar in railways - integrated high-speed rolling-stock planning and maintenance scheduling problems - optimization models for the installation planning of offshore wind farms |

XB – Research Visiting Periods

| Year | Description |
|------|-------------|
|------|-------------|

| | |
|------|--|
| 2016 | Visiting research at the Lancaster University Management School (LUMS), Lancaster (UK), under the supervision of Prof. Matthias Ehrgott, February-July 2016. |
| 2017 | Visiting research at the Institute of Mathematics of the University of Seville (IMUS), Seville (Spain), under the supervision of Prof. Justo Puerto, April-June 2017. |
| 2020 | Visiting research at the Institute of Mathematics of the University of Seville (IMUS), Seville (Spain), invited by Prof. Justo Puerto and co-financed by IMUS, January- February 2020. |

Part XI – Summary of Scientific Achievements

| Product type | Number | Data Base | Start | End |
|--|--------|-----------|-------|------|
| Scientific Papers [International journals] | 11 | Scopus | 2016 | 2023 |
| Educational Papers [International journals] | 1 | Scopus | 2021 | 2021 |
| Scientific Papers [Conference Proceedings] | 9 | Scopus | 2015 | 2021 |
| Editorials | 2 | Scopus | 2020 | 2022 |
| Book chapters | 1 | Scopus | 2022 | 2022 |

| | |
|-----------------------------------|--------|
| Total Impact factor | 39.431 |
| Average Impact factor per Product | 3.585 |
| Total Citations | 176 |
| Average Citations per Product | 8.38 |
| Hirsch (H) index | 8 |
| Normalized H index* | 1* |

*H index divided by the academic seniority (computed from the 1st year of the PhD studies which is equivalent to the year of the 1st publication).

Part XII– Reviewer activity

Referee for the following international journals:

- International Transactions in Operational Research
- Networks
- Computers and Operations Research
- Transportation Research Part C
- Computational Optimization and Applications
- Computer Communications

Part XIII–Publications

Journal papers (under review)

1. Amorosi, L., Padellini T., Puerto J., Valverde C., "A Mathematical Programming approach to Sparse Canonical Correlation" (under review on Expert Systems with Applications Journal);
2. Amorosi, L., Fischetti, M., Paradiso, R., Roberti, R., "Optimization Models for the Installation Planning of Offshore Wind Farms"(under second review on European Journal of Operations Research).

Journal papers (in preparation)

1. Amorosi, L., Ehrgott, M., Weißing, B., "A new two-phase algorithm for the bi- objective integer minimum cost flow problem";
2. Amorosi, L., De Santis M., "A criterion space search algorithm for bi-objective mixed integer linear programs";
3. Wang, J. Y. T., Watling, D. P., Amorosi, L., Ehrgott, M., "Eco-routing decisions based on multiple objectives and limited memory".

Journal papers (published or accepted for publication)

1. Amorosi, L., Puerto, J., Valverde C., "A multiple-drone arc routing and mothership coordination problem" (accepted for publication the June 18th 2023, on Computers and Operations Research Journal, **IF** 2021 5.159);
2. Amorosi, L., Dell’Olmo, P., Giacco, G.L, "An Integrated Model for High-Speed Rolling-Stock Planning and Maintenance Scheduling". Engineering Optimization, 2023. (**IF** 2021 2.5 Citations 0);
3. Amorosi, L., Puerto, J., Valverde C., "An extended model of coordination of an all-terrain vehicle and a multivisit drone". International Transaction in Operational Research, 2022. In press. (**IF** 2021 3.61 Citations 0);
4. Amorosi, L., Puerto, J., "Two-phase strategies for the bi-objective minimum spanning tree problem". International Transaction in Operational Research, 29(6), pp. 3435–3463, 2022. (**IF** 2021 3.61 Citations 0);
5. Amorosi, L., Cedola, L., Dell’Olmo, P., Lucchetta, F., "Multi-objective mathematical programming to optimally sizing and managing battery energy storage for solar photovoltaic system integration of a multi-apartment building". Engineering Optimization, 54(1), pp. 81–100, 2022. (**IF** 2021 2.5 Citations 3);
6. Amorosi, L., Puerto, J., Valverde C., "Coordinating drones with mothership vehicles: The mothership and drone routing problem with Graphs". Computers and Operations Research, 136, 105445, 2021. (**IF** 2021 5.159 Citations 9);

7. Chiaraviglio L., Amorosi L. et al., "Minimum Cost Design of UAV-based 5G Networks for Rural Coverage: Formulation and Solutions", *IEEE Transactions on Green Communications and Networking*, 3(4), pp. 901–918, 2019. (IF 2021 3.525 Citations 13);
8. Amorosi L., Chiaraviglio L., Galán-Jiménez J., "Optimal Energy Management of UAV-based 5G Networks Powered by Solar Panels and Batteries: Formulation and Solutions", *IEEE Access*, 7, pp. 53698–53717, 2019. (IF 2019 3.745 Citations 30);
9. Amorosi L., Dell’Olmo P., Giacco, G.L., "Mathematical Models for On-Line Train Calendars Generation", *Computers and Operations Research*, 102, pp. 1–9, 2019. (IF 2019 3.424 Citations 4);
10. Chiaraviglio L., Amorosi L. et al., "Optimal Management of Reusable Functional Blocks in 5G Superfluid Networks", *Wiley International Journal of Network Management*, 29(1), e2045, 2019. (IF 2019 1.338 Citations 5);
11. Chiaraviglio L., Amorosi L., Dell’Olmo P., Liu W., Gutierrez J.A., Cianfrani A., Polverini M., Le Rouzic E., Listanti M., "Lifetime-Aware ISP Networks: Optimal Formulation and Solutions", *Transactions on Networking*, 25(3), pp. 1924–1937, 2017. (IF 2017 3.11 Citations 5);
12. Chiaraviglio L., Amorosi L., Baiocchi A., Cianfrani A., Cuomo F., Dell’Olmo P., Listanti M., "LIFETEL: Managing the Energy-Lifetime Tradeoff in Telecommunication Networks", *Communications Magazine, Series on Green Communications and Computing Networks*, 54(11), pp. 150–157, 2016. (IF 2016 10.435 Citations 2).

Conference papers and Book chapters

1. Amorosi, L., Di Rocco, L., Ferraro Petrillo, U., "Scheduling K-mers Counting in a Distributed Environment". ODS2021, International Conference on Optimization and Decision Sciences, September 2021, Rome;
2. Bosi, T., D’Ariano, A., Amorosi, L., Giacco, G.L., "A Fast and Effective Greedy Heuristic for On-line Train Calendars Generation", MT-ITS 2021 International Conference, June 2021, on-line;
3. Chiaraviglio, L., Amorosi, L., Malandrino, F., Chiasserini, C.F, Dell’Olmo, P., Casetti, C., "Optimal Throughput Management in UAV-based Networks during Disasters", *IEEE International Conference on Computer Communications (INFOCOM)*, 2019, Paris;
4. Jimenez, J.G., Chiaraviglio, L., Amorosi, L., Blefari-Melazzi, N., "Multi-Period Mission Planning of UAVs for 5G Coverage in Rural Areas: A Heuristic Approach", *IEEE International Conference on the Network of the Future, (NOF)*, 2018, Poznań;
5. Chiaraviglio, L., Amorosi, L. et al., "Optimal Design of 5G Networks in Rural Zones with UAVs, Optical Rings, Solar Panels and Batteries", *IEEE International Conference on Transparent Optical Networks (IEEE ICTON)*, 2018, Bucharest;
6. Amorosi, L., Chiaraviglio, L et al. "Energy-Efficient Mission Planning of UAVs for 5G Coverage in Rural Zones", *IEEE International Conference on Environmental Engineering (IEEE EE)*, 2018, Milano;
7. Chiaraviglio, L., Amorosi, L., Cartolano L., Blefari-Melazzi N., Dell’Olmo P., Shojafar M., Salsano S., "Optimal Superfluid Management of 5G Networks", *3rd IEEE Conference on Network Softwarization (IEEE NetSoft)*, 2017, Bologna;
8. Amorosi, L., Chiaraviglio, L., Dell’Olmo, P., Listanti, M., "Optimal Sustainable Management of Backbone Networks", *ICTON 2016 International Conference*, July 2016, Trento;
9. Amorosi, L., Chiaraviglio, L., Dell’Olmo, P., Listanti, M., "Sleep to stay alive: Optimizing Reliability in Energy-Efficient Backbone Networks, RONEXT 2015 International Workshop, July 2015, Budapest;
10. Amorosi, L., Dell’Olmo, P., Giacco, G.L., "A new approach for train calendar description generation", *MT-ITS 2015 International Conference*, June 2015, Budapest.

Editorials and Educational Papers

1. Amorosi, L., Fischetti, M., "The New Generation of OR Enthusiasts: the AIROYoung Experiment", SN OPERATIONS RESEARCH FORUM, 2020;
2. Amorosi L., Dell'Olmo P., Lari I., "Optimization in Artificial Intelligence and Data Sciences", ODS First Hybrid Conference, Rome, Italy, 46 September 14-17, 2021;
3. Amorosi L., Cavagnini R., Dal Sasso V., Fischetti M., Morandi V., Raffaele A., "Women Just Wanna Have OR: Young Researchers Interview Expert Researchers", SN OPERATIONS RESEARCH FORUM pp. 1-14, 2021.

Technical Reports

1. Amorosi, L., Padellini T., "A Mathematical Programming approach to Sparse Canonical Correlation", Technical Report, DSS Sapienza University of Rome, 2021;
2. Amorosi, L., Puerto, J., "Two-phase strategies for the bi-objective minimum spanning tree problem", Technical Report, DSS Sapienza University of Rome, 2018;
3. Amorosi, L., Dell'Olmo, P., Giacco, G.L., "A Mathematical Programming Approach for Calendar Generation", Technical Report, DSS Sapienza University of Rome, 2016.