

Guglielmo Faggioli

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Data di nascita: [REDACTED]

ESPERIENZA LAVORATIVA

[01/10/2022 - Attuale]

Assegnista di Ricerca

Università degli studi di Padova

Città: Padova | Paese: Italia

Ricerca nell'ambito del Query Performance Prediction applicato ai modelli IR neurali presso il dipartimento di Ingegneria dell'Informazione dell'Università degli Studi Padova.

[30/09/2022 - Attuale]

Docente universitario a contratto/docente universitaria a contratto

Università degli Studi di Padova

Città: Padova | Paese: Italia

Incarico di docenza a contratto per il corso di Privacy Preserving Information Access del corso di Laurea Magistrale in Cybersecurity presso il Dipartimento di Matematica dell'Università degli Studi di Padova.

[01/10/2018 - 30/09/2019]

Borsista di Ricerca

Università degli Studi di Padova

Città: Padova | Paese: Italia

Borsista di ricerca nell'ambito dei sistemi di raccomandazione presso il dipartimento di Matematica dell'Università degli Studi di Padova.

ISTRUZIONE E FORMAZIONE

[01/10/2019 - 22/03/2021]

Dottorato di Ricerca in Ingegneria dell'Informazione

Università degli Studi di Padova

Città: Padova | Paese: Italia

[01/10/2016 - 30/10/2018]

Laurea Magistrale in Informatica

Università degli Studi di Padova

Città: Padova | Paese: Italia

[01/10/2013 - 30/09/2016]

Laurea Triennale in Informatica

Università degli Studi di Ferrara

Città: Ferrara | Paese: Italia

COMPETENZE LINGUISTICHE

Lingua madre: italiano

Altre lingue:

inglese

ASCOLTO C1 LETTURA C1 SCRITTURA C1

PRODUZIONE ORALE C1 INTERAZIONE ORALE C1

Qualifica A1 A2 Livello elementare B1 B2 Livello intermedio C1 C2 Livello avanzato

PATENTE DI GUIDA

Automobile: 

COMPETENZE COMUNI- CATIVE E INTERPERSONA- LI

CAPACITÀ E COMPETENZE RELAZIONALI

Membro attivo del gruppo di ricerca Information Management Systems (IMS) del Dipartimento di Ingegneria dell'informazione di Padova.

Honorary Research Fellow presso l'Università di Glasgow (Febbraio 2024 - Agosto 2024)

Partecipazione attiva in numerose collaborazioni nazionali ed internazionali.

A livello nazionale, le principali collaborazioni sono avvenute con l'ISTI CNR di Pisa, l'Università di Pisa, l'Università di Modena e Reggio Emilia, il Politecnico di Milano e il Politecnico di Bari.

A livello internazionale, le mie collaborazioni riguardano il Royal Melbourne Institute of Technology (RMIT), Australia, il Technion di Haifa, Israele, l'IRIT di Tolosa, Francia, La Sorbonne University, Francia, i Naver Labs di Grenoble, Francia, l'Università di Glasgow, Regno Unito.

Periodo (Agosto 2017-Maggio 2018) come studente internazionale presso l'Università di Helsinki tramite il progetto Erasmus+

COMPETENZE ORGANIZ- ZATIVE

CAPACITÀ E COMPETENZE ORGANIZZATIVE

Program chair di:

- IIR 2023: 13th Italian Information Retrieval Workshop, June 08-09 2023, Pisa, Italy

CLEF LAB Chair di:

- ECIR 2025, 47th European Conference on Information Retrieval, April 06 - April 10, 2025, Lucca, Italy

Co-organizzatore di:

- First Workshop on Large Language Models for Evaluation in IR (**LLM4Eval** @ SIGIR 2024) - Colocato con SIGIR, 18 Luglio 2024 Washington DC, US.
- QPP++ 2023: Query Performance Prediction and Its Evaluation in New Tasks - co-located with 45th European Conference on Information Retrieval (ECIR) April 6th, 2023, Hosted in Dublin, Ireland

Proceeding Chair per Conference and Labs of the Evaluation Forum (CLEF) dal 2021 al 2024 (in corso).

Curatele

Mohammad Aliannejadi, Guglielmo Faggioli, Nicola Ferro, Michalis Vlachos: Working Notes of the Conference and Labs of the Evaluation Forum (CLEF 2023), Thessaloniki, Greece, September 18th to 21st, 2023. CEUR Workshop Proceedings 3497, CEUR-WS.org 2023

Avi Arampatzis, Evangelos Kanoulas, Theodora Tsirikla, Stefanos Vrochidis, Anastasia Giachanou, Dan Li, Mohammad Aliannejadi, Michalis Vlachos, Guglielmo Faggioli, Nicola Ferro: Experimental IR Meets Multilinguality, Multimodality, and Interaction - 14th International Conference of the CLEF Association, CLEF 2023, Thessaloniki, Greece, September 18-21, 2023, Proceedings. Lecture Notes in Computer Science 14163, Springer 2023, ISBN 978-3-031-42447-2

Guglielmo Faggioli, Nicola Ferro, Josiane Mothe, Fiana Raiber: Proceedings of the The QPP++ 2023: Query Performance Prediction and Its Evaluation in New Tasks Workshop co-located with The 45th European Conference on Information Retrieval (ECIR), Dublin, Ireland, April 6th, 2023. CEUR Workshop Proceedings 3366, CEUR-WS.org 2023

Franco Maria Nardini, Nicola Tonellotto, Guglielmo Faggioli, Antonio Ferrara: Proceedings of the 13th Italian Information Retrieval Workshop (IIR 2023), Pisa, Italy, June 8-9, 2023. CEUR Workshop Proceedings 3448, CEUR-WS.org 2023

Diego Calvanese, Claudia Diamantini, Guglielmo Faggioli, Nicola Ferro, Stefano Marchesin, Gianmaria Silvello, Letizia Tanca:

Proceedings of the 31st Symposium of Advanced Database Systems, Galzingano Terme, Italy, July 2nd to 5th, 2023. CEUR Workshop Proceedings 3478, CEUR-WS.org 2023

Guglielmo Faggioli, Nicola Ferro, Allan Hanbury, Martin Potthast: Proceedings of the Working Notes of CLEF 2022 - Conference and Labs of the Evaluation Forum, Bologna, Italy, September 5th - to - 8th, 2022. CEUR Workshop Proceedings 3180, CEUR-WS.org 2022

Alberto Barrón-Cedeño, Giovanni Da San Martino, Mirko Degli Esposti, Fabrizio Sebastiani, Craig Macdonald, Gabriella Pasi, Allan Hanbury, Martin Potthast, Guglielmo Faggioli, Nicola Ferro: Experimental IR Meets Multilinguality, Multimodality, and Interaction - 13th International Conference of the CLEF Association, CLEF 2022, Bologna, Italy, September 5-8, 2022, Proceedings. Lecture Notes in Computer Science 13390, Springer 2022, ISBN 978-3-031-13642-9

Guglielmo Faggioli, Nicola Ferro, Alexis Joly, Maria Maistro, Florina Piroi: Proceedings of the Working Notes of CLEF 2021 - Conference and Labs of the Evaluation Forum, Bucharest, Romania, September 21st - to - 24th, 2021. CEUR Workshop Proceedings 2936, CEUR-WS.org 2021

K. Selçuk Candan, Bogdan Ionescu, Lorraine Goeuriot, Birger Larsen, Henning Müller, Alexis Joly, Maria Maistro, Florina Piroi, Guglielmo Faggioli, Nicola Ferro: Experimental IR Meets Multilinguality, Multimodality, and Interaction - 12th International Conference of the CLEF Association, CLEF 2021, Virtual Event, September 21-24, 2021, Proceedings. Lecture Notes in Computer Science 12880, Springer 2021, ISBN 978-3-030-85250-4
Scrivi qui la descrizione...

CAPACITÀ E COMPETENZE TECNICHE

CAPACITÀ E COMPETENZE TECNICHE

Conoscenza avanzata dei principali linguaggi di programmazione tra cui: Python, Java, Javascript, Matlab, R. Conoscenza avanzata dei principali DBMS relazionali e dei SQL: MySQL, PostgreSQL. Conoscenza avanzata dei linguaggi di markup (HTML) e elementi affini al frontend (CSS, Bootstrap).

Conoscenza avanzata delle principali librerie di data analysis e machine learning come numpy, scipy, pandas, sklearn, torch.

PUBBLICAZIONI

2024

[j11] Guglielmo Faggioli, Laura Dietz, Charles L. A. Clarke, Gianluca Demartini, Matthias Hagen, Claudia Hauff, Noriko Kando, Evangelos Kanoulas, Martin Potthast, Benno Stein, Henning Wachsmuth: Who Determines What Is Relevant? Humans or AI? Why Not Both? Commun. ACM 67(4): 31-34 (2024)

[c42] Guglielmo Faggioli, Nicola Ferro: Query Obfuscation for Information Retrieval Through Differential Privacy. ECIR (1) 2024: 278-294

[c41] Guglielmo Faggioli, Nicola Ferro: Evaluating Differential Privacy Approaches for Information Retrieval. IRCDL 2024: 41-46

[c40] Oleg Zendel, Maik Fröbe, Guglielmo Faggioli: QPPTK@TIREx: Simplified Query Performance Prediction for Ad-Hoc Retrieval Experiments. WOWS@ECIR 2024: 50-62

[i5] Francesco Luigi De Faveri, Guglielmo Faggioli, Nicola Ferro: Words Blending Boxes. Obfuscating Queries in Information Retrieval using Differential Privacy. CoRR abs/2405.09306 (2024)

2023 - Journals

[j10] Christine Bauer, Ben Carterette, Nicola Ferro, Norbert Fuhr, Et. Al.: Report on the Dagstuhl Seminar on Frontiers of Information Access Experimentation for Research and Education. SIGIR Forum 57(1): 7:1-7:28 (2023)

[9] Guglielmo Faggioli, Nicola Ferro, Josiane Mothe, Fiana Raiber, Maik Fröbe: Report on the 1st Workshop on Query Performance Prediction and Its Evaluation in New Tasks (QPP++ 2023) at ECIR 2023. SIGIR Forum 57(1): 12:1-12:7 (2023)

[j8] Guglielmo Faggioli: Modelling and Explaining IR System Performance Towards Predictive Evaluation. SIGIR Forum 57(1): 15:1-15:2 (2023)

[j7] Guglielmo Faggioli, Antonio Ferrara, Franco Maria Nardini, Nicola Tonellotto: Report on the 13th Italian Information Retrieval Workshop (IIR 2023). SIGIR Forum 57(2): 8:1-8:12 (2023)

[j6] Mohammad Aliannejadi, Avi Arampatzis, Guglielmo Faggioli, Nicola Ferro, Et. Al.: Report on the 14th Conference and Labs of the Evaluation Forum (CLEF 2023): Experimental IR Meets Multilinguality, Multimodality, and Interaction. SIGIR Forum 57(2): 16:1-16:16 (2023)

2023 - conferences

[c39] Guglielmo Faggioli, Alessandro Guazzo, Stefano Marchesin, Laura Menotti, Et. Al.: Intelligent Disease Progression Prediction: Overview of iDPP@CLEF 2023. CLEF 2023: 343-369

[c38] Guglielmo Faggioli, Alessandro Guazzo, Stefano Marchesin, Laura Menotti, Et. Al.: Overview of iDPP@CLEF 2023: The Intelligent Disease Progression Prediction Challenge. CLEF (Working Notes) 2023: 1123-1164

[c37] Guglielmo Faggioli, Thibault Formal, Stefano Marchesin, Stéphane Clinchant, Nicola Ferro, Benjamin Piwowarski: Query Performance Prediction for Neural IR: Are We There Yet? ECIR (1) 2023: 232-248

[c36] Guglielmo Faggioli, Nicola Ferro, Josiane Mothe, Fiana Raiber: QPP++ 2023: Query-Performance Prediction and Its Evaluation in New Tasks. ECIR (3) 2023: 388-391

[c35] Guglielmo Faggioli, Laura Dietz, Charles L. A. Clarke, Et. Al.: Perspectives on Large Language Models for Relevance Judgment. ICTIR 2023: 39-50

[c34] Guglielmo Faggioli, Thibault Formal, Simon Lupart, Stefano Marchesin, Stéphane Clinchant, Nicola Ferro, Benjamin Piwowarski: Towards Query Performance Prediction for Neural Information Retrieval: Challenges and Opportunities. ICTIR 2023: 51-63

[c33] Guglielmo Faggioli, Nicola Ferro, Cristina Ioana Muntean, Raffaele Perego, Nicola Tonellotto: A Spatial Approach to Predict Performance of Conversational Search Systems. IIR 2023: 41-46

[c32] Giorgio Maria Di Nunzio, Guglielmo Faggioli, Stefano Marchesin: An Analysis of a Methodology and Experimental Results for the Retrieval of Clinical Trials. IIR 2023: 53-57

[c31] Guglielmo Faggioli, Nicola Ferro, Norbert Fuhr: IR Systems Evaluation via Generalized Linear Models. IIR 2023: 105-110

[c30] Marco Alessio, Guglielmo Faggioli, Nicola Ferro: A Modular Framework for Conversational Search Reproducible Experimentation. SEBD 2023: 349-359

[c29] Guglielmo Faggioli, Thibault Formal, Stefano Marchesin, Stéphane Clinchant, Nicola Ferro, Benjamin Piwowarski: On the Limitations of Query Performance Prediction for Neural IR. *SEBD 2023*: 379-390

[c28] Guglielmo Faggioli, Nicola Ferro, Cristina Ioana Muntean, Raffaele Perego, Nicola Tonellotto: A Geometric Framework for Query Performance Prediction in Conversational Search. *SIGIR 2023*: 1355-1365

[c27] Marco Alessio, Guglielmo Faggioli, Nicola Ferro: DECAF: A Modular and Extensible Conversational Search Framework. *SIGIR 2023*: 3075-3085

2022 - Journals

[j5] Mirko Polato, Guglielmo Faggioli, Fabio Aioli: PRL: A game theoretic large margin method for interpretable feature learning. *Neurocomputing* 479: 106-120 (2022)

[j4] Guglielmo Faggioli, Oleg Zendel, J. Shane Culpepper, Nicola Ferro, Falk Scholer: sMARE: a new paradigm to evaluate and understand query performance prediction methods. *Inf. Retr. J.* 25(2): 94-122 (2022)

[j3] Alberto Barrón-Cedeño, Giovanni Da San Martino, Mirko Degli Esposti, Guglielmo Faggioli, Et. Al: Report on the 13th Conference and Labs of the Evaluation Forum (CLEF 2022): Experimental IR Meets Multilinguality, Multimodality, and Interaction. *SIGIR Forum* 56(2): 13:1-13:15 (2022)

[j2] J. Shane Culpepper, Guglielmo Faggioli, Nicola Ferro, Oren Kurland: Topic Difficulty: Collection and Query Formulation Effects. *ACM Trans. Inf. Syst.* 40(1): 19:1-19:36 (2022)

2022 - conferences

[c26] Guglielmo Faggioli, Nicola Ferro, Norbert Fuhr: Detecting Significant Differences Between Information Retrieval Systems via Generalized Linear Models. *CIKM 2022*: 446-456

[c25] Alessandro Guazzo, Isotta Trescato, Enrico Longato, Enidia Hazizaj, Dennis Dosso, Guglielmo Faggioli, Et. Al.: Intelligent Disease Progression Prediction: Overview of iDPP@CLEF 2022. *CLEF 2022*: 395-422

[c24] Alessandro Guazzo, Isotta Trescato, Enrico Longato, Enidia Hazizaj, Dennis Dosso, Guglielmo Faggioli, Et. Al.: Overview of iDPP@CLEF 2022: The Intelligent Disease Progression Prediction Challenge. *CLEF (Working Notes) 2022*: 1130-1210

[c23] Guglielmo Faggioli, Marco Ferrante, Nicola Ferro, Raffaele Perego, Nicola Tonellotto: A Dependency-Aware Utterances Permutation Strategy to Improve Conversational Evaluation. *ECIR (1) 2022*: 184-198

[c22] Maurizio Ferrari Dacrema, Fabio Moroni, Riccardo Nembrini, Nicola Ferro, Guglielmo Faggioli, Paolo Cremonesi: Feature Selection via Quantum Annealers for Ranking and Classification Tasks. IIR 2022

[c21] Guglielmo Faggioli, Stefano Marchesin: Assessing the Semantic Difficulty of Queries. IIR 2022

[c20] Guglielmo Faggioli, Nicola Ferro: Comparing ANOVA Approaches to Detect Significantly Different IR Systems. IIR 2022

[c19] Luigi De Lucia, Guglielmo Faggioli, Nicola Ferro, Fabio Orobelli: Extracting a Unified Database from Heterogeneous Bills of Materials via Data Integration Approaches. SEBD 2022: 13-24

[c18] Guglielmo Faggioli, Marco Ferrante, Nicola Ferro, Raffaele Perego, Nicola Tonellotto: Improving Conversational Evaluation via a Dependency-Aware Permutation Strategy. SEBD 2022: 375-382

[c17] Maurizio Ferrari Dacrema, Fabio Moroni, Riccardo Nembrini, Nicola Ferro, Guglielmo Faggioli, Paolo Cremonesi: Towards Feature Selection for Ranking and Classification Exploiting Quantum Annealers. SIGIR 2022: 2814-2824

[c16] Guglielmo Faggioli, Nicola Ferro, Mattia Romanello: Question Answering-Based Query Expansion for Conversational Search: IIIA@UNIPD at TREC CAsT 2022. TREC 2022

[c15] Giorgio Maria Di Nunzio, Guglielmo Faggioli, Stefano Marchesin: Summarize and Expand Queries in Clinical Trials Retrieval. The IIIA Unipd at TREC 2022 Clinical Trials. TREC 2022

2021

[j1] K. Selçuk Candan, Guglielmo Faggioli, Nicola Ferro, Lorraine Goeuriot, Bogdan Ionescu, Alexis Joly, Birger Larsen, Maria Maistro, Henning Müller, Florina Piroi: Report on the 12th conference and labs of the evaluation forum (CLEF 2021): experimental IR meets multilinguality, multimodality, and interaction. SIGIR Forum 55(2): 15:1-15:12 (2021)

[c14] Guglielmo Faggioli, Stefano Marchesin: What Makes a Query Semantically Hard? DESIRES 2021: 61-69

[c13] Guglielmo Faggioli, Nicola Ferro: System Effect Estimation by Sharding: A Comparison Between ANOVA Approaches to Detect Significant Differences. ECIR (2) 2021: 33-46

[c12] Guglielmo Faggioli, Oleg Zendel, J. Shane Culpepper, Nicola Ferro, Falk Scholer: An Enhanced Evaluation Framework for Query Performance Prediction. ECIR (1) 2021: 115-129

[c11] J. Shane Culpepper, Guglielmo Faggioli, Nicola Ferro, Oren Kurland: Do Hard Topics Exist? A Statistical Analysis. IIR 2021

[c10] Guglielmo Faggioli, Oleg Zendel, J. Shane Culpepper, Nicola Ferro, Falk Schöfer: sMARE: An Enhanced Query Performance Prediction Evaluation Approach (Discussion Paper). SEBD 2021: 235-242

[c9] Guglielmo Faggioli, Marco Ferrante, Nicola Ferro, Raffaele Perego, Nicola Tonellotto: Hierarchical Dependence-aware Evaluation Measures for Conversational Search. SIGIR 2021: 1935-1939

[c8] Guglielmo Faggioli: Enabling Performance Prediction in Information Retrieval Evaluation. SIGIR 2021: 2701

[c7] Giorgio Maria Di Nunzio, Guglielmo Faggioli, Stefano Marchesin: Filter, Transform, Expand, and Fuse The IMS Unipd at TREC 2021 Clinical Trials. TREC 2021

[e2] Guglielmo Faggioli, Nicola Ferro, Alexis Joly, Maria Maistro, Florina Piroi: Proceedings of the Working Notes of CLEF 2021 - Conference and Labs of the Evaluation Forum, Bucharest, Romania, September 21st - to - 24th, 2021. CEUR Workshop Proceedings 2936, CEUR-WS.org 2021

[e1] K. Selçuk Candan, Bogdan Ionescu, Lorraine Goeuriot, Birger Larsen, Henning Müller, Alexis Joly, Maria Maistro, Florina Piroi, Guglielmo Faggioli, Nicola Ferro: Experimental IR Meets Multilinguality, Multimodality, and Interaction - 12th International Conference of the CLEF Association, CLEF 2021, Virtual Event, September 21-24, 2021, Proceedings. Lecture Notes in Computer Science 12880, Springer 2021, ISBN 978-3-030-85250-4

2020

[c6] Guglielmo Faggioli, Mirko Polato, Fabio Aielli: Recency Aware Collaborative Filtering for Next Basket Recommendation. UMAP 2020: 80-87

2019

[c5] Guglielmo Faggioli, Mirko Polato, Ivano Lauriola, Fabio Aielli: Evaluation of Tag Clusterings for User Profiling in Movie Recommendation. ICANN (Workshop) 2019: 456-468

[c4] Mirko Polato, Guglielmo Faggioli, Ivano Lauriola, Fabio Aielli: Playing the Large Margin Preference Game. ICANN (2) 2019: 792-804

[c3] Ivano Lauriola, Mirko Polato, Guglielmo Faggioli, Fabio Aielli: A Preference-Learning Framework for Modeling Relational Data. INNSBDDL 2019: 359-369

[c2] Guglielmo Faggioli, Mirko Polato, Fabio Aielli: Tag-Based User Profiling: A Game Theoretic Approach. UMAP (Adjunct Publication) 2019: 267-271

2018

[c1] Guglielmo Faggioli, Mirko Polato, Fabio Aioli: Efficient Similarity Based Methods For The Playlist Continuation Task. RecSys Challenge 2018: 15:1-15:6

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

26/06/2024



