PERSONAL INFORMATION

Giovanni Semeraro

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Sex Male | *Date of birth* 31/01/1965 | *Nationality* Italian

h-index: 45; total citations: 10614 (source: Google Scholar
https://scholar.google.com/citations?user=i9XYY0sAAAAJ&hl=en)

h-index: 31; total citations: 3939 (source: Scopus; Scopus Identifier: 57108777800)

ASN
Included in the list of aspiring commissioners by lot for the sector 01/B1 - INFORMATICA for the formation of commissions for the Abilitazione Scientifica Nazionale 2021, published on the web page of the MIUR site (February 16, 2022) https://abilitazione.miur.it/public/commissariEleggibili_2018.php

WORK EXPERIENCE

October 2016 - present

Full Professor (INF/01 Informatics)
Università degli Studi di Bari Aldo Moro, Dipartimento di Informatica

- Research topics: AI; machine learning; intelligent systems; recommender systems; knowledge graphs; explainable AI; conversational agents; user modelling and personalization; intelligent information access; semantics; NLP

November 1998 – October 2016

Associate Professor (INF/01 – Informatics)
Università degli Studi di Bari, Dipartimento di Informatica

- Research topics: AI; machine learning; intelligent systems; inductive inference; inductive logic programming; recommender systems; user modelling and personalization; intelligent information mining, retrieval, and filtering; NLP; semantic web

April 1993 – July 1993

Visiting Research Assistant Specialist (invited)
University of California, Irvine, USA, Department of Information and Computer Science

- Research topics: AI; machine learning; intelligent systems; inductive inference; expert systems

July 1991 – November 1998

Assistant Professor
Università degli Studi di Bari, Dipartimento di Informatica

- Research topics: AI; machine learning; intelligent systems; inductive inference; expert systems

June 1989 – July 1991

Research Fellow
Tecnopolis CSATA Novus Ortus, Advanced Software Technology division

- Research topics: AI; machine learning; intelligent systems; expert systems

September 1988 – May 1989

Research Fellow
Software Sistemi SpA, Expert Systems division

- Research topics: AI; machine learning; intelligent systems; expert systems

EDUCATION AND TRAINING

Nov. 5,1983- Mar. 25, 1988

Laurea in Computer Science (Scienze dell'Informazione) (4 years)
Università degli Studi di Bari

PROJECTS
(last five years)

With leadership roles

2021 - current iBWAM "intelligent Business platform for Wealth & Asset Management" funded by Objectway (PI)
2017 - 2021 UWPM "Unified Wealth Management Platform" funded by Objectway (PI)
2014 - 2017 MAIVISTO "Massive Adaptive Internet Video Streaming Using the Cloud", MIUR START UP, PAC Big Data (scientific coordinator of the UNIBA unit)

Project reviewer

Cyprus Research Promotion Foundation (RPF) 2011, Free University of Bozen-Bolzano 2011,

Netherlands Organisation for Scientific Research (NWO) program "Veni" 2011, City University of Hong Kong Research Grants and Contracts Office program 'Strategic Research' 2011, EU Commission Framework Programme 7 (FP7) "Information and Communication Technologies", Strategic Objective 4.2 "Intelligent Content and Semantics" 2007

COMMUNITY SERVICE

Steering Committee	ACM RecSys, ACM Conference Series on Recommender Systems (2018 - Present) IIR, Italian Information Retrieval workshop (2013 - 2016) ISMIS, International Symposium on Methodologies for Intelligent Systems (2008 - 2012)
General Chair	21st ACM International Conference on User Modeling, Adaptation and Personalization (UMAP) 2013, Sixth Italian Conference on Computational Linguistics (CLIC-it) 2019, 3rd Italian Information Retrieval workshop (IIR) 2012, Semantic Web Applications and Perspectives (SWAP) 2007
Program Co-Chair	9th ACM Conference on Recommender Systems (ACM RecSys) 2015
Workshops co-chair	Joint Workshop on Interfaces and Human Decision Making for Recommender Systems (IntRS), in conjunction with ACM Conference on Recommender Systems (2014 - 2022) The 3rd International Workshop on Personalization & Recommender Systems in Financial Services (FinRec), in conjunction with ACM Conference on Recommender Systems 2022 "Explainable User Modeling (ExUM)", in conjunction with UMAP (2020 - 2022) "AI for Sustainable Development", in conjunction with Ital-IA 2022 "Explainable And Holistic User Modeling (ExHUM)", in conjunction with UMAP 2019 "eXplainable Artificial Intelligence (XAI)", in conjunction with AIxIA (2020 - 2021) New Trends in Content-based Recommender Systems (CBRecSys)", in conjunction with ACM Conference on Recommender Systems, 2016
TPC member	ACM RecSys from 2010 to 2022 (ACM Conference on Recommender Systems), ACM UMAP from 2014 to 2022 (ACM International Conference on User Modeling, Adaptation and Personalization), ECIR from 2016 to 2021 (European Conference on Information Retrieval), IJCAI 2020, ISMIS from 2016 to 2020 (International Symposium on Methodologies for Intelligent Systems)
Regular reviewer	User Modeling and User-Adapted Interaction: The Journal of Personalization Research, Journal of Intelligent Information Systems, International Journal of Human-Computer Studies, ACM Transactions on Information Systems, IEEE Transactions on Knowledge and Data Engineering, Electronic Commerce Research and Applications, International Journal on Semantic Web and Information Systems, ACM Transactions on the Web, Knowledge-Based Systems, ACM Transactions on Interactive Intelligent Systems

EDITORIAL ACTIVITY

2015 - present	Member of the Editorial Board of the Italian Journal of Computational Linguistics (IJCoL)
2015 - 2016	Associate Editor ACM TiiS, special issue on Highlights of ACM Recommender Systems
2015	Associate Editor IJEG, special issue on Personalisation in e-Government and Smart Cities
2011 - 2013	Associate Editor ACM TiiS, special issue on Human Decision Making and RecSys
2004 - 2009	Member of the Editorial Board of the International Journal of Computational Intelligence (IJCI)
2004 - 2008	Member of the Editorial Board of the International Journal of Intelligent Systems and Information Processing (IJISIP)
2011 - 2018	Member of the Editorial Board of ISRN Artificial Intelligence (ISRN AI)
2005 - 2007	Associate Editor Applied Intelligence, special issue on Innovation in applied artificial intelligence
2007 - 2008	Member of the Editorial Board of the Int'l Journal of Metadata, Semantics and Ontologies (IJMSO)
2002 - 2003	Associate Editor Applied Artificial Intelligence, special issue on Artificial Intelligence for Cultural Heritage and Digital Libraries
1995 - 1996	Associate Editor AI*IA Notizie, special issue su L'Evoluzione della Ricerca sull'Apprendimento Automatico
2006 - 2007	Responsible for the "News from the Association" column in Intelligenza Artificiale, the Italian Association for Artificial Intelligence (AI*IA) magazine
1992 - 2003	Member of the Editorial Board of AI*IA Notizie, the AI*IA magazine
1992 - 2003	Responsible for the "Reviews" column in AI*IA Notizie, the AI*IA magazine

PhD SUPERVISION

2018 - 2021	Member of the evaluation committee for the progress of Emanuele Pio Barracchia, *Predictive Tasks from Static and Dynamic Information Networks*, Cycle XXXIII of the PhD Program in Computer Science and Mathematics (CV Computer Science) at the University of Bari
2017 - 2020	Member of the supervisory committee for Giuseppe Marra (Supervisor: Prof. Marco Gori), *Bridging symbolic and subsymbolic reasoning with MiniMax Entropy models*, Cycle XXXII of the PhD Program in Smart Computing at the University of Florence
2020	Member of the evaluation committee for the final defense of Federico Bianchi (Supervisor: Prof. Matteo Palmonari), *Corpus-based Comparison of Distributional Models of Language and Knowledge Graphs*, Cycle XXXII of the PhD Program in Computer Science at the University of Milano-Bicocca
2016 - 2019	Supervisor of Gaetano Rossiello (now Researcher at IBM AI Watson, Yorktown Heights, USA), *Leveraging Distributional and Relational Semantics for Knowledge Extraction from Textual Corpora* (Best PhD thesis in AI award by the Italian Association for Artificial Intelligence AIxIA), Cycle XXXI of the PhD Program in Computer Science and Mathematics (CV Computer Science) at the University of Bari
2016	External examiner for the PhD thesis *A Probabilistic Reciprocal Recommender with Temporal Dynamics* submitted by Ammar Alanazi (Supervisor: Dr. Michael Bain. Co-supervisor: Associate Prof. Wayne Wobcke) for the degree of Doctor of Philosophy at The University of New South Wales (UNSW)
2015 - 2018	Member of the evaluation committee for the progress of Antonio Vergari, *Learning and Exploiting Tractable Probabilistic Models*, Cycle XXX of the PhD Program in Computer Science and Mathematics (CV Computer Science) at the University of Bari
2011 - 2014	Member of the evaluation committee for the progress of Pasquale Minervini, *Mining Methods for the Web of Data*, Cycle XXVI of the PhD Program in Computer Science at the University of Bari
2014	External examiner for the PhD thesis *Exploiting Distributional Semantics for Content-Based and Context-Aware Recommendation* submitted by Victor Codina (Supervisors: Prof. Luigi Ceccaroni and Prof. Mario Martin) for the degree of Doctor of Philosophy at Universitat Politecnica de Catalunya (UPC)
2009 - 2012	Supervisor of Cataldo Musto (now RTD-b at University of Bari), *Enhanced Vector Space Models for Content-based Recommender Systems*, Cycle XXIV of the PhD Program in Computer Science at the University of Bari
2009 - 2012	Member of the evaluation committee for the progress of Danilo Dell'Agnello, *Computational Intelligence Methods and Techniques for the Semantic Description of Resources*, Cycle XXIV of the PhD Program in Computer Science at the University of Bari
2012	Member of the Judging Committee for the final defense of Gianni Bosio (Supervisor: Prof. Liliana Ardissono), *A Contextual Approach to Activity Awareness Support in Distributed Workspaces*, Cycle XXIII of the PhD Program in "Scienza e Alta Tecnologia" (CV Computer Science) at the University of Torino
2008 - 2011	Supervisor of Annalina Caputo (now Assistant Professor at Dublin City Univ., Ireland), *Semantics and Information Retrieval: Models, Techniques and Applications*, Cycle XXIII of the PhD Program in Computer Science at the University of Bari
2011	Member of the evaluation committee for the final defense and admission exam of Linas Baltrunas (Supervisor: Prof. Francesco Ricci), *Context-Aware Collaborative Filtering Recommender Systems*, Cycle XXII of the PhD Program in Computer Science at the Free University of Bozen/Bolzano
2007 - 2010	Supervisor of Anna Lisa Gentile (now Researcher at IBM Research, Almaden, USA), *Entities and Identities: Named Entity Processing with Cultural Knowledge*, Cycle XXII of the PhD Program in Computer Science at the University of Bari
2007 - 2010	Supervisor of Leo Iaquinta (now R&D Manager at SO.CO.IN. / SYSTEM), *Serendipity in Context: Context-aware Recommendations of Serendipitous Items*, Cycle XXII of the PhD Program in Computer Science at the University of Bari
2006 - 2009	Supervisor of Pierpaolo Basile (now Associate Professor at University of Bari), *Word Sense Disambiguation and Intelligent Information Access* (Best PhD thesis in NLP award by the Italian Association for Artificial Intelligence AIxIA), Cycle XXI of the PhD Program in Computer Science at the University of Bari
2006 - 2009	Supervisor of Eufemia Tinelli (now Strategic Control and Quality of Services officer at Municipality of Bari), *Efficient Reasoning Techniques for Large Datasets of DLs Instances: Approaches and Applications*, Cycle XXI of the PhD Program in Computer Science at the University of Bari
2006 - 2009	Member of the evaluation committee for the progress of Domenico Gendarmi, *Collaborative Tagging as a Community-Driven Approach to Knowledge Sharing*, Cycle XXI of the PhD Program in Computer Science at the University of Bari
2005 - 2008	Supervisor of Domenico Redavid (now RTD-b at University of Bari), *Towards the Orchestration of Semantic Web Services*, Cycle XX of the PhD Program in Computer Science at the University of Bari

2004 - 2007	Supervisor of Ignazio Palmisano (now Application Software Developer at CDL Manchester, UK), *A Machine Learning Approach to Ontology Alignment*, Cycle XIX of the PhD Program in Computer Science at the University of Bari
2002 - 2005	Supervisor of Oriana Licchelli (now Central Studies Director and Associate Professor in Information Technology at ESSCA Ecole de Management at Angers, France), *Personalization in Digital Libraries for Education*, Cycle XVII of the PhD Program in Computer Science at the University of Bari
2002 - 2005	Supervisor of Marco de Gemmis (now Associate Professor at University of Bari), *Learning User Profiles from Text for Personalized Information Access*, Cycle XVI of the PhD Program in Computer Science at the University of Bari
2002 - 2005	Supervisor of Pasquale Lops (now Associate Professor at University of Bari), *Hybrid Recommendation Techniques based on User Profiles*, Cycle XVI of the PhD Program in Computer Science at the University of Bari

TEACHING

2021 - Present	MSc course on "Semantics in Intelligent Systems"
2008 - 2021	MSc course on "Intelligent Information Access and Natural Language Processing"
1995 - 2008	MSc course on "Formal Languages and Compilers"
2013 - 2014	PhD course on "Recommender Systems"
2000 - Present	BSc course on "Programming Languages"
2001 - 2013	BSc course on "Knowledge Management"

INSTITUTIONAL RESPONSIBILITIES

2020 - Present	Coordinator of the Research Unit "Artificial Intelligence-based eHealth" of the Telemedicine Research Centre (CITEL) at University of Bari
2018 - Present	Member of the Steering Committee of the National Laboratory of Artificial Intelligence and Intelligent Systems (AIIS) of the National Interuniversity Consortium for Informatics (CINI)
2018 – Present 2013 - 2016	Member of the Board (Giunta) of the Dipartimento di Informatica at University of Bari
2015	Co- Founder of the Italian Association for Computational Linguistics (AILC)
2015	Coordinator of the 1st edition of the Vocational Master in Data Science at University of Bari
2015 - Present	Member of the Scientific Committee of the Vocational Master in Data Science at University of Bari
2014 - Present	Member of the Academic Board of the PhD Programme in Computer Science and Mathematics at University of Bari (XXIX-XXXVII cycles)
2005 - Present	Founder and Head of the Semantic Web Access and Personalization (SWAP) "Antonio Bello" research group, Dipartimento di Informatica at University of Bari
2015 - 2018	Member of the Board of Directors of the Italian Association for Computational Linguistics (AILC)
2013 - 2016	Coordinator of the Master Program of Computer Science at the University of Bari
2011 - 2014	Coordinator of the Master "Specialist technicians in the management of information systems based on the semantic manipulation of information" at University of Bari
2011 - 2014	Member of the Scientific Committee of the Master "Specialist technicians in methodologies for programming semantic systems" at Technical University of Bari
2006 - 2011	Member of the Board of Directors of the Italian Association for Artificial Intelligence (AI*IA)
2006 - 2009	Member of the Board of Directors of the Gruppo ricercatori ed Utenti di Logic Programming (GULP)
2000 - 2016	Member of the Academic Board of the PhD Programme in Computer Science at University of Bari (XV-XXVIII cycles)

INVITED TALKS

2019	"Advances in Content-based Recommender Systems I and II", The ACM Summer School on Recommender Systems, Gothenburg, Sweden, September

2019	"L'IA per l'empowerment del cittadino", XVI Congresso Nazionale Associazione 'Luca Coscioni', 'Fiera delle Liberta', Bari, Italy, October
2017	"Recent Developments of Content-based Recommender Systems", The ACM Summer School on Recommender Systems, Bozen-Bolzano, Italy, August
2017	"An investigation on the Serendipity Problem in Recommender Systems", Research Workshop of the Israel Science Foundation on User Modeling and Recommender Systems, Haifa, Israel, July
2015	"On Serendipity in Recommender Systems", Social and Semantic aspects of recommender systems - A workshop on advances in recommender systems (RecSoc 2015), Haifa, Israel, June
2015	"Case-based Recommender Systems for Personalized Finance Advisory", Int'l Workshop on Personalization & Recommender Systems in Financial Services (FinRec 2015), Graz, Austria, April
2014	"Personality and Emotions in Decision Making and Recommender Systems", International Workshop on First International Workshop on Decision Making and Recommender Systems (DMRS2014), Bolzano, Italy, September 18-19
2013	"Recommender Systems in the Banking/Financial Domain", Smart Companies and Artificial Intelligence: Tecnologie Intelligenti al Servizio delle Aziende, Firenze, Italy, May 14
2012	"Machine (Learn-Read)ing for Knowledge Infusion in Small Brains from Big Data", MLDM.it , 1st Italian Workshop on Machine Learning and Data Mining, 12th AI*IA Symposium on Artificial Intelligence, Rome, Italy, June 13

FELLOWSHIPS AND AWARDS

2022	Award - Best performing approach for Shared Task: "FINTOC'4 -Table Of Content extraction from Financial Documents", subtask on Spanish data, Financial Narrative Processing Workshop (FNP)
2015	Award - IBM Faculty Award, project "Deep Learning to boost Cognitive Question Answering"
2014	Award - Best performing approach for Task "Top-N recommendation from binary user feedback" of the "SemWebEval Linked Open Data-enabled Recommender Systems Challenge", Extended Semantic Web Conference (ESWC).
2014	Award - Best Young Paper Award, 1st Italian Conference on Computational Linguistics (CLiC-it)
2013	Award - Most Inspiring Contribution Award for the paper "Leveraging Encyclopedic Knowledge for Transparent and Serendipitous User Profiles", 21st International Conference on User Modeling, Adaptation and Personalization (UMAP)
1997	Award - Outstanding reviewer, IJCAI-97
1996	Award - Best Paper Award for the paper "Discovering Causal Rules in Relational Databases", 13th European Meeting on Cybernetics and Systems Research
1988 -1989	Fellowship - Scholarship winner, Software Sistemi SpA, research on Expert Systems
1988	Award - SIP (Società Italiana Per l'esercizio telefonico, now Telecom Italia) Best Thesis Award, for the BSc thesis ""A system for conceptual inductive learning from examples with variable-valued logic"

Bari, 02/05/2022   *According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.*