PERSONAL INFORMATION

Alessio Palmero Aprosio

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💬 Skype ***   Facebook ***   Twitter ***

Gender *** | Date of birth *** | Nationality ***

WORK EXPERIENCE

Februray 2019 – present

Contract Professor

Department of Psychology and Cognitive Science, University of Trento, Italy
Teacher of the course "Informatica ed elementi di programmazione II".

April 2016 – present

Researcher

Digital Humanities unit, Fondazione Bruno Kessler, Trento, Italy
Main developer of Tint, the Italian NLP tool. Web: `https://tint.fbk.eu/`
Research activities and software development for the European Projects:

— **Protector** from April 2021 to March 2023
  `https://www.protector-project.eu/`

— **Odeuropa** from January 2021 to December 2023
  `https://odeuropa.eu/`

— **Kid Actions** from January 2021 to December 2022 (Work Package leader)
  `https://www.kidactions.eu/`

— **Perceptions** from September 2019 to August 2022
  `https://project.perceptions.eu/`

— **HateMeter** from February 2018 to January 2020
  `http://hatemeter.eu/`

— **Creep** from January 2018 to December 2019
  `http://creep-project.eu/`

— **Simpatico** from March 2016 to February 2019.
  `https://simpatico-project.com/`

From Apr 2022 to Dec 2023. Research activity seconded to the Futuro & Conoscenza Srl company, on a project, in collaboration with Istituto Poligrafico e Zecca dello Stato, finalized to the creation of a semantic engine for the classification of the documents taken from the Gazzetta Ufficiale.

July 2014 – April 2016

Postdoctoral researcher

Data and Knowledge Management unit, Fondazione Bruno Kessler, Trento, Italy
Research activities and software development for the European Project:

— **NewsReader** from January 2013 to December 2015
  `http://www.newsreader-project.eu/`

November 2013 – June 2014

Java and Web Programmer

Machine Linking Srl, c/o Fondazione Bruno Kessler, Trento, Italy
Software and web developer, social media manager for an innovative startup.

November 2006 – November 2013   ## Web developer and designer
Freelance.

EDUCATION AND TRAINING ▪

January 2010 – March 2014   ## PhD in Information Technology

Università degli Studi di Milano, Italy
Thesis: Extending Linked Open Data resources exploiting Wikipedia as source of information

November 2009 – February 2012   ## Master course in Science Communication

Scuola Internazionale Superiore di Studi Avanzati (SISSA), Trieste, Italy
Thesis (in Italian): Divulgazione scientifica e marketing ai tempi di Facebook (Making science accessible using marketing techniques in the days of Facebook)

October 2004 – December 2006   ## Master Degree in Mathematics

Università degli Studi di Pavia, Italy
Thesis (in Italian): Problemi di razionalità di tori algebrici e applicazioni alla crittografia (Rationality problems on algebraic thori and applications on cryptography)
Final mark: 110/110 cum laude

October 2001 – September 2004   ## Bachelor Degree in Mathematics

Università degli Studi di Pavia, Italy
Thesis (in Italian): Le curve ellittiche e la loro applicazione alla crittografia (Elliptic curves and applications on cryptography)
Final mark: 110/110

SCIENTIFIC PUBLICATIONS ▪

2022   ## An anytime heuristic algorithm for allocating many teams to many tasks

A Georgara, J A Rodriguez Aguilar, C Sierra, O Mich, R Kazhamiakin, A Palmero Aprosio, J-C Pazzaglia
Proceedings of the 21st International Conference on Autonomous Agents and Multiagent SystemsMay (AAMAS 2022)

2022   ## BERToldo, the Historical BERT for Italian

A Palmero Aprosio, S Menini, S Tonelli
Proceedings of the Second Workshop on Language Technologies for Historical and Ancient Languages (LT4HALA 2022)

2022   ## KIND: an Italian Multi-Domain Dataset for Named Entity Recognition

T Paccosi, A Palmero Aprosio
Proceedings of the 13th Language Resources and Evaluation Conference (LREC 2022)

2021   Agreeing to Disagree: Annotating Offensive Language Datasets with Annotators' Disagreement

E Leonardelli, S Menini, A Palmero Aprosio, M Guerini, S Tonelli
Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP 2021)

2021   REDIT: A Tool and Dataset for Extraction of Personal Data in Documents of the Public Administration Domain

T Paccosi, A Palmero Aprosio
Proceedings of the Eighth Italian Conference on Computational Linguistics (CLiC-it 2021)

2021   It Is MarkIT That Is New: An Italian Treebank of Marked Constructions

T Paccosi, A Palmero Aprosio, S Tonelli
Proceedings of the Eighth Italian Conference on Computational Linguistics (CLiC-it 2021)

2021   Tint, the Swiss-Army Tool for Natural Language Processing in Italian

Alessio Palmero Aprosio
Proceedings of the 5th Workshop on Natural Language for Artificial Intelligence (NL4AI 2021)

2021   Erase and Rewind: Manual Correction of NLP Output through a Web Interface

Valentino Frasnelli, Lorenzo Bocchi, Alessio Palmero Aprosio
Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing: System Demonstrations

2021   EasyTurk: A User-Friendly Interface for High-Quality Linguistic Annotation with Amazon Mechanical Turk

L Bocchi, V Frasnelli, A Palmero Aprosio
Proceedings of the 16th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2021): System Demonstrations

2021   Abuse is Contextual, What about NLP? The Role of Context in Abusive Language Annotation and Detection

S Menini, A Palmero Aprosio, S Tonelli
arXiv preprint arXiv:2103.14916, 2021

2020   The CREENDER Tool for Creating Multimodal Datasets of Images and Comments

A Palmero Aprosio, S Menini, S Tonelli
Proceedings of the Seventh Italian Conference on Computational Linguistics (CLiC-it 2020)

2020   A Multimodal Dataset of Images and Text to Study Abusive Language

S Menini, A Palmero Aprosio, S Tonelli
Proceedings of the Seventh Italian Conference on Computational Linguistics (CLiC-it 2020)

2020 FBK-DH at SemEval-2020 Task 12: Using Multi-channel BERT for Multilingual Offensive Language Detection

C Casula, A Palmero Aprosio, S Menini, S Tonelli
Proceedings of the Fourteenth Workshop on Semantic Evaluation (SemEval 2020)

2020 Adding Gesture, Posture and Facial Displays to the PoliModal Corpus of Political Interviews

D Trotta, A Palmero Aprosio, S Tonelli, A Elia
Proceedings of the 12th Language Resources and Evaluation Conference (LREC 2020)

2020 Adaptive Complex Word Identification through False Friend Detection

A Palmero Aprosio, S Menini, S Tonelli
Proceedings of the 28th ACM Conference on User Modeling, Adaptation and Personalization (UMAP 2020)

2020 Gli strumenti informatici. Sviluppo e risultati.

S Tonelli, R Sprugnoli, A Palmero Aprosio, Giovanni M, Stefano M
Book chapter. IPRASE, 2020

2019 Neural Text Simplification in Low-Resource Conditions Using Weak Supervision

A Palmero Aprosio, S Tonelli, M Turchi, M Negri, M Di Gangi
Proceedings of the Workshop on Methods for Optimizing and Evaluating Neural Language Generation

2019 Annotation and Analysis of the PoliModal Corpus of Political Interviews

D Trotta, S Tonelli, A Palmero Aprosio, A Elia
Proceedings of the Sixth Italian Conference on Computational Linguistics (CLiC-it 2019)

2019 BullyFrame: Cyberbullying Meets FrameNet

S Brambilla, A Palmero Aprosio, S Menini
Proceedings of the Sixth Italian Conference on Computational Linguistics (CLiC-it 2019)

2019 PreMOn: LODifing linguistic predicate models

M Rospocher, F Corcoglioniti, A Palmero Aprosio
Language Resources and Evaluation

2018 Towards Personalised Simplification based on L2 Learners' Native Language

A Palmero Aprosio, S Menini, S Tonelli, L Ducceschi, L Herzog
Proceedings of the Fifth Italian Conference on Computational Linguistics (CLiC-it 2018)

2018 Tint 2.0: An all-inclusive Suite for NLP in Italian

A Palmero Aprosio, G Moretti
Proceedings of the Fifth Italian Conference on Computational Linguistics (CLiC-it 2018)

2018   Analysing the Evolution of Students' Writing Skills and the Impact of Neo-standard Italian with the help of Computational Linguistics

R Sprugnoli, S Tonelli, A Palmero Aprosio, G Moretti
Proceedings of the Fifth Italian Conference on Computational Linguistics (CLiC-it 2018)

2018   Findings from the hackathon on understanding euroscepticism through the lens of textual data

F Nanni, G Glavaš, S P Ponzetto, S Tonelli, N Conti, A Aker, A Palmero Aprosio, A Bleier, B Carlotti, T Gessler, T Henrichsen, D Hovy, C Kahmann, M Karan, A Matsuo, S Menini, D Nguyen, A Niekler, L Posch, F Vegetti, Z Waseem, T Whyte, N Yordanova
Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC 2018)

2017   MUSST: A Multilingual Syntactic Simplification Tool

C Scarton, A Palmero Aprosio, S Tonelli, T Martín Wanton, L Specia
Proceedings of the IJCNLP 2017, System Demonstrations

2017   Using Semantic Linking to Understand Persons' Networks extracted from Text

A Palmero Aprosio, S Tonelli, S Menini, G Moretti
Frontiers in Digital Humanities

2017   The impact of phrases on Italian lexical simplification

S Tonelli, A Palmero Aprosio, M Mazzon
CLiC it, 2017

2017   A RADAR for Information Reconciliation in Question Answering Systems over Linked Data

E Cabrio, S Villata, A Palmero Aprosio
Semantic Web – Interoperability, Usability, Applicability, IOS Press, 2017, Special issue on Question Answering over Linked Data

2017   Towards Integration of Ontology and Text-extracted Data for Event Coreference Reasoning

S Borgo, L Bozzato, A Palmero Aprosio, M Rospocher, L Serafini
SAC 2017, April 03-07, 2017, Marrakech, Morocco

2016   Knowledge Extraction for Information Retrieval

F Corcoglioniti, M Dragoni, M Rospocher, A Palmero Aprosio
International Semantic Web Conference, 317-333, 2016

2016   NewsReader: Using knowledge resources in a cross-lingual reading machine to generate more knowledge from massive streams of news

P Vossen, R Agerri, I Aldabe, A Cybulska, M van Erp, A Fokkens, E Laparra, A-L Minard, A Palmero Aprosio, G Rigau, M Rospocher, R Segers
Knowledge-Based Systems 110, 60-85, 2016

2016 **Frame-based Ontology Population with PIKES**

F Corcoglioniti, M Rospocher, A Palmero Aprosio
IEEE Transactions on Knowledge and Data Engineering, 1-1, 2016

2016 **PreMOn: a Lemon Extension for Exposing Predicate Models as Linked Data**

F Corcoglioniti, M Rospocher, A Palmero Aprosio, S Tonelli
Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC 2016)

2016 **On Coreferring Text-extracted Event Descriptions with the aid of Ontological Reasoning**

S Borgo, L Bozzato, AP Aprosio, M Rospocher, L Serafini
arXiv preprint arXiv:1612.00227, 2016

2016 **SIMPITIKI: a Simplification corpus for Italian**

S Tonelli, A Palmero Aprosio, F Saltori
CLiC it, 291, 2016

2016 **MicroNeel: Combining NLP Tools to Perform Named Entity Detection and Linking on Microposts**

F Corcoglioniti, A Palmero Aprosio, Y Nechaev, C Giuliano
CLiC-it/EVALITA2016

2016 **A 2-phase frame-based knowledge extraction framework**

F Corcoglioniti, M Rospocher, A Palmero Aprosio
Proceedings of the 31st Annual ACM Symposium on Applied Computing, 354-361, 2016

2016 **Italy goes to Stanford: a collection of CoreNLP modules for Italian**

A Palmero Aprosio, G Moretti
arXiv preprint arXiv:1609.06204, 2016

2015 **Supervised Opinion Frames Detection with RAID**

A Palmero Aprosio, F Corcoglioniti, M Dragoni, M Rospocher
Semantic Web Evaluation Challenges, 251-263, 2015

2015 **Extracting Knowledge from Text with PIKES**

F Corcoglioniti, A Palmero Aprosio, M Rospocher
ISWC 2015 Posters and Demonstrations Track

2015 **Demonstrating the Power of Streaming and Sorting for Non-distributed RDF Processing: RDFpro**

F Corcoglioniti, A Palmero Aprosio, M Rospocher
ISWC 2015 Posters and Demonstrations Track

2015 A Contextual Framework for Reasoning on Events

L Bozzato, S Borgo, A Palmero Aprosio, M Rospocher, L Serafini
DeRiVE – ESWC2015

2015 Recognizing Biographical Sections in Wikipedia

A Palmero Aprosio, S Tonelli
EMNLP2015 proceedings, 2015

2014 Reconciling Information in DBpedia through a Question Answering System

E Cabrio, A Palmero Aprosio, S Villata
ISWC 2014 Posters and Demonstrations Track

2014 These Are Your Rights

E Cabrio, A Palmero Aprosio, S Villata
The Semantic Web: Trends and Challenges, 255-269, 2014

2013 Automatic Expansion of DBpedia Exploiting Wikipedia Cross-Language Information

A Palmero Aprosio, C Giuliano, A Lavelli
The Semantic Web: Semantics and Big Data, 397-411, 2013

2013 Extending the Coverage of DBpedia Properties using Distant Supervision over Wikipedia

A Palmero Aprosio, C Giuliano, A Lavelli
1st Workshop on NLP and DBpedia, 2013

2013 Towards an Automatic Creation of Localized Versions of DBpedia

A Palmero Aprosio, C Giuliano, A Lavelli
The Semantic Web ISWC 2013, 494-509, 2013

2013 Automatic Mapping of Wikipedia Templates for Fast Deployment of Localised DBpedia datasets

A Palmero Aprosio, C Giuliano, A Lavelli
I-KNOW, 2013

2012 QAKiS: an Open Domain QA System based on Relational Patterns

E Cabrio, J Cojan, A Palmero Aprosio, B Magnini, A Lavelli, F Gandon
ISWC 2012 Posters and Demonstrations Track

2012 QAKiS@ QALD-2

E Cabrio, A Palmero Aprosio, J Cojan, B Magnini, F Gandon, A Lavelli
Interacting with Linked Data (ILD 2012), 87, 2012

2012 **Natural language interaction with the web of data by mining its textual side**

E Cabrio, J Cojan, A Palmero Aprosio, F Gandon
Intelligenza Artificiale 6 (2), 121-133, 2012

COMPUTER SKILLS

Programming	Java (w/ Spring Boot), php, Python
Software management	Maven/Ant, Git, Unix shell scripting, Apache, Docker, Nexus, IntelliJ IDEA
Databases	MySQL, PostgreSQL, Lucene, SQL Server, MongoDB, ElasticSearch
Semantic web	RDF/OWL/RDFa, RSS/Atom, OpenLink Virtuoso, Microdata, Sesame
Machine Learning	SVM, CRF, HMM, Bayesian statistics, Clustering, Neural networks, TensorFlow, Keras
Natural language processing	Stanford CoreNLP, SpaCy, Stanza, Rasa
Web development	HTML5, CSS, Wordpress (plugins and themes creation), Facebook/Twitter API, VueJS, JavaScript/TypeScript, Ajax, jQuery
Office suites	LaTeX, Microsoft Office, OpenOffice, LibreOffice
Graphics	Adobe suite (Photoshop, Illustrator, InDesign, Premiere, After Effects, Animate)

STUDENTS' THESIS ADVISOR

8th Sep 2022	Aziz Lghazi - Design System di Soisy
8th Sep 2022	Lorenzo Tonetta - Redesign del sito della Regione Campania
7th Jul 2022	Anas Araid - Spiagge.it – Progettazione e sviluppo dell'applicazione mobile
7th Jul 2022	Gabriele De Cian - Progettazione e realizzazione di una piattaforma web per la gestione delle risorse umane
7th Jul 2022	Jacopo Zulpo - Progettazione piattaforma di vendita WOOL
9th Sep 2021	Erich Robbi - Sviluppo di Play&Go Aziendale: un applicativo designato a lavoratori per un cambio di abitudine verso la mobilità sostenibile
8th Jul 2021	Lorenzo Bocchi - EasyTurk: un'interfaccia web user-friendly per annotazioni linguistiche tramite Amazon Mechanical Turk
8th Jul 2021	Valentino Frasnelli - Tintful: un'interfaccia web per la creazione manuale di output NLP
8th Jul 2021	Patrick Hamzaj - Cardano e il futuro delle criptomonete – Come la decentralizzazione sta cambiando la fiducia verso le istituzioni

OTHER INFORMATION

ASN In 2021, I got the National Scientific Qualification (Abilitazione Scientifica Nazionale) from the Italian Ministry of University and Research.

Free Law Project In 2013, I got a grant in memory of Internet activist Aaron Swartz from the Free Law Project related to the RECAP project.

Nexa I collaborated with Neubot, a project from Nexa Center for Internet and Society in Turin.

College I am alumnus of Collegio Ghislieri (Pavia).

USEFUL LINKS

Google Scholar `https://scholar.google.it/citations?user=-0bx88UAAAAJ`

Github `https://github.com/ziorufus`

LinkedIn `https://www.linkedin.com/in/alessio-palmero-aprosio-8a13a14/`

Personal website `http://www.alessiopalmeroaprosio.eu/`

PERSONAL SKILLS

Mother tongue Italian

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference (CEF) level

FREE TIME

Volunteering Currently, I am a volunteer at *Italian Red Cross* and *Emergency NGO*.

Music I play the piano at a good level, I attended the music theory and 5th year exams at the *Conservatorio di Cuneo*.

Mathematics In 2000 and 2001 I took part in the final competition of the *Italian Mathematical Olympiads*. In 2000 I was admitted to the *international final of the International competition for mathematical and logical games* in Paris.

Writing In 2012, I wrote a book entitled "Pinocchio nel paese dei paradossi" (in Italian), Sironi Editore (ISBN 9788851802059), translated to Portugues in 2014 by Zahar Editores. Until 2010, I used to write popular science articles for *Corriere del Ticino* and *City*.

Mensa I am member of Mensa.

Driving licence   B

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.