

CONTACT INFORMATION

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**Professional title:** Ph.D.

**E-mail:** alessandro.giuliani@unica.it

**Citizenship:** Italian

**Languages:** Italian (natural), English (advanced), Spanish (basic)

RESEARCH BACKGROUND

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**Senior Machine Learning Engineer**

9+ years experienced post-doctoral researcher, highly adept at Machine Learning, Information Retrieval, Data Mining, Text Categorization, and Data Visualization. Ability to apply algorithms and techniques to real world problems. Strong background in Python programming skills.

RESEARCH SKILLS

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<b>Research Topics</b>	Machine Learning, Information Retrieval, Data Mining, Recommender Systems
<b>Application Fields</b>	Text Mining and Categorization, Semantic Analysis, Bioinformatics Multimedia, Web Engineering, Knowledge Discovery, Data Analytics, Online Advertising
<b>Algorithms</b>	Supervised Learning, Unsupervised Learning, Ensemble Learning, Deep Learning, Time-series Forecasting, Multimedia, Feature Selection and Extraction
<b>Research Planning</b>	Identifying problems, gathering information, system developing, testing and evaluating, calculating results
<b>Communication skills</b>	Reading, understanding, writing, and disseminate scientific and technical documentation

TECHNICAL AND PROGRAMMING SKILLS

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<b>Computer Languages</b>	Python (advanced knowledge), Java (very good knowledge) C++, C (good knowledge) R, SmallTalk, Pig Latin, HTML CSS (basic knowledge)
<b>Protocols &amp; APIs</b>	XML, JSON
<b>Database Management</b>	MySQL, PostgreSQL
<b>Packages and Frameworks</b>	Scikit-learn, Pandas, Matplotlib, SQLAlchemy, Keras, Orange Weka, Jupyter notebook
<b>IDEs</b>	Anaconda, Eclipse, Netbeans

## RESEARCH EXPERIENCE

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PERIOD	<b>April 2020 — Present</b>
POSITION	<b>Post-doctoral researcher</b>
INSTITUTION	<b>Department of Mathematics and Computer Science, University of Cagliari</b> Cagliari, Italy
PERIOD	<b>March 2012 — March 2020</b>
POSITION	<b>Post-doctoral researcher</b>
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b> Cagliari, Italy
PERIOD	<b>March 2009 — February 2012</b>
POSITION	<b>Ph.D. student</b>
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b> Cagliari, Italy
PERIOD	<b>September 2008 — February 2009</b>
POSITION	<b>Junior developer</b>
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b> Cagliari, Italy

## RESEARCH PROJECTS AS PARTICIPANT

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PROJECT	<b>MISTER: Match Information System and Technologies for the Evaluation of the peRformance</b>
PERIOD	<b>2021</b>
POSITION	<b>Post-doctoral researcher</b>
ROLES	<b>Research fellow, software developer</b>
ACTIVITIES	<b>Research on machine learning algorithms and models, data analysis and mining, software developing and evaluation</b>
INSTITUTION	<b>Department of Mathematics and Computer Science, University of Cagliari</b> Cagliari, Italy
PROJECT	<b>VideoBrain- Intelligent Video Optmization</b>
PERIOD	<b>2021</b>
POSITION	<b>Post-doctoral researcher</b>
ROLES	<b>Research fellow, software developer</b>
ACTIVITIES	<b>Research on machine learning algorithms and models, data analysis and mining, software developing and evaluation</b>
INSTITUTION	<b>Department of Mathematics and Computer Science, University of Cagliari</b> Cagliari, Italy
PROJECT	<b>INSIEME: INtelligent Systems for Integrated hEalth Manage- mEnt</b>
PERIOD	<b>January 2018 — March 2020</b>
POSITION	<b>Post-doctoral researcher</b>
ROLES	<b>Research fellow, software developer</b>
ACTIVITIES	<b>Research on machine learning algorithms and models, data analysis and mining, software developing and evaluation</b>
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b> Cagliari, Italy

**PROJECT** **Validity and Reliability of Variable Importance Measures in Biomarker Discovery**  
**PERIOD** **June 2017 — May 2018**  
**POSITION** **Post-doctoral researcher**  
**ROLES** **Research fellow, software developer**  
**ACTIVITIES** **Research on machine learning algorithms and models, Study design, exchange of methods, software developer and system evaluation**  
**INSTITUTIONS** **Department of Electrical and Electronic Engineering,**  
**University of Cagliari** Cagliari, Italy  
**Straubing Wissenschaftszentrum** Straubing, Germany  
**Philipps-Universität** Marburg, Germany

**PROJECT** **S3ML - Experimenting novel metrics and algorithms for bioinformatics**  
**PERIOD** **2016 - 2017**  
**POSITION** **Post-doctoral researcher**  
**ROLES** **Research fellow, software developer**  
**ACTIVITIES** **Research on machine learning and information retrieval, data analysis and mining, software developing**  
**INSTITUTION** **Department of Electrical and Electronic Engineering,**  
**University of Cagliari** Cagliari, Italy

**PROJECT** **Study and experimentation of novel algorithms for automated taxonomy generation, optimization, and evaluation**  
**PERIOD** **September 2015 — August 2016**  
**POSITION** **Post-doctoral researcher**  
**ROLES** **Research fellow, software developer**  
**ACTIVITIES** **Research on machine learning and information retrieval; focus on taxonomy building and online advertising, data analysis and mining, software developing**  
**INSTITUTION** **Department of Electrical and Electronic Engineering,**  
**University of Cagliari** Cagliari, Italy

**PROJECT** **Study, development and test of information theory techniques for taxonomies evaluation**  
**PERIOD** **March 2012 - March 2015**  
**POSITION** **Post-doctoral researcher**  
**ROLES** **Research fellow, software developer**  
**ACTIVITIES** **Research on machine learning algorithms and models, data analysis and mining, software developing and evaluation**  
**INSTITUTION** **Department of Electrical and Electronic Engineering,**  
**University of Cagliari** Cagliari, Italy

**PROJECT** **GeoTargeted Advertising**  
**PERIOD** **September 2011 — February 2012**  
**POSITION** **Intern**  
**ROLES** **Research fellow, software developer**  
**ACTIVITIES** **Research on machine learning algorithms and models, data analysis and mining, software developing and evaluation**  
**INSTITUTION** **Yahoo! Research Labs** Barcelona, Spain

PROJECT	<b>Study, Development, and Experimentation of Novel Contextual Advertising Techniques in the Area of MultiModal Systems</b>	
PERIOD	<b>January — May 2012</b>	
ROLE	<b>Technical coordinator, research fellow</b>	
ACTIVITIES	<b>Research on advertising algorithms and models, software developing and evaluation</b>	
INSTITUTIONS	<b>Department of Electrical and Electronic Engineering, University of Cagliari RAI Research Center</b>	<b>Cagliari, Italy Turin, Italy</b>

PROJECT	<b>2DGels: Machine learning techniques to decision support in 2-dimensional gel images</b>	
PERIOD	<b>September 2008 — February 2009</b>	
POSITION	<b>Junior developer</b>	
ROLES	<b>Software developer</b>	
ACTIVITIES	<b>Data analysis and software developing</b>	
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b>	<b>Cagliari, Italy</b>

#### VISITING RESEARCH ACTIVITIES

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PERIOD	<b>February, December 2017, February, April 2018</b>	
ROLE	<b>Research fellow</b>	
INSTITUTION	<b>Philipps-Universität</b>	<b>Marburg, Germany</b>

PERIOD	<b>June — July 2016</b>	
ROLE	<b>Research fellow</b>	
INSTITUTION	<b>Straubing Wissenschaftszentrum</b>	<b>Straubing, Germany</b>

PERIOD	<b>September 2011 — February 2012</b>	
ROLE	<b>Intern</b>	
INSTITUTION	<b>Yahoo! Research Labs</b>	<b>Barcelona, Spain</b>

#### EDUCATION

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DATE	<b>March 2012</b>	
DEGREE	<b>Ph.D. in Electronic and Computer Engineering</b>	
THESIS TOPIC	<b>Studying, Developing, and Evaluating Contextual Advertising Systems</b>	
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b>	<b>Cagliari, Italy</b>

DATE	<b>July 2007</b>	
DEGREE	<b>Master of Science in Electronic Engineering</b>	
THESIS TOPIC	<b>Development and Application of the “Solution Space Method” for the Design of a 24 GHz Oscillator in GaAs 0.2 <math>\mu</math> Technology</b>	
INSTITUTION	<b>Department of Electrical and Electronic Engineering, University of Cagliari</b>	<b>Cagliari, Italy</b>

## INTERNATIONAL JOURNALS

TITLE	<b>VSTAR: Visual Semantic Thumbnails and tAgs Revitalization</b>
AUTHORS	<b>S Carta, A Giuliani, L Piano, A S Podda, D Reforgiato recupero</b>
JOURNAL	<b>Expert Systems with Applications (in press)</b>
TITLE	<b>Phi-delta-diagrams: software implementation of a visual tool for assessing classifier and feature performance</b>
AUTHORS	<b>G Armano, A Giuliani, U Neumann, N Rothe, D Heider</b>
JOURNAL	<b>Machine Learning and Knowledge Extraction 1 (1), 2019, 121-137</b>
TITLE	<b>A two-tiered 2d visual tool for assessing classifier performance</b>
AUTHORS	<b>G Armano, A Giuliani</b>
JOURNAL	<b>Information Sciences 463, 2018, 323-343</b>
TITLE	<b>Improving contextual advertising by adopting collaborative filtering</b>
AUTHORS	<b>E Vargiu, A Giuliani, G Armano</b>
JOURNAL	<b>ACM Transactions on the Web (TWEB) 7 (3), 2013, 1-22</b>

## CONFERENCES / WORKSHOPS PROCEEDINGS

TITLE	<b>From Payment Services Directive 2 (PSD2) to Credit Scoring: A Case Study on an Italian Banking Institution</b>
AUTHORS	<b>R Saia, A Giuliani, L Pompianu and S Carta</b>
CONFERENCE	<b>13th International Conference on Knowledge Discovery and Information Retrieval (KDIR-2021)</b>
TITLE	<b>Automated Tag Enrichment by Semantically Related Trends</b> <i>Winner of Best Paper Award</i>
AUTHORS	<b>A Arca, S Carta, A Giuliani, M Stanciu and D Reforgiato Recupero</b>
CONFERENCE	<b>16th International Conference on Web Information Systems and Technologies - Volume 1: WEBIST, 183-193, 2020</b>
TITLE	<b>Efficient Thumbnail Identification through Object Recognition</b>
AUTHORS	<b>S Carta, E Gaeta, A Giuliani, L Piano and D Reforgiato Recupero</b>
CONFERENCE	<b>16th International Conference on Web Information Systems and Technologies - Volume 1: WEBIST, 209-216, 2020</b>
TITLE	<b>Measuring diversity and accuracy in ANN ensembles</b>
AUTHORS	<b>MP Sesmero, JM Alonso-Weber, A Giuliani, G Armano, A Sanchis</b>
CONFERENCE	<b>Conference of the Spanish Association for Artificial Intelligence, 2018, 108-117</b>
TITLE	<b>Using <math>\varphi - \delta</math> Diagrams on Web Data</b>
AUTHORS	<b>G Armano, A Giuliani</b>
CONFERENCE	<b>International Conference on Web Engineering, 2018, 148-158</b>
TITLE	<b>Using <math>\varphi - \delta</math> Diagrams for Discovering Variable Importance in Bioinformatics</b>
AUTHORS	<b>G Armano, A Giuliani</b>
CONFERENCE	<b>14th Annual Meeting of the Bioinformatics Italian Society, 2017</b>

TITLE	<b>Automated taxonomy building by adopting discriminant and characteristic capabilities</b>
AUTHORS	<b>G Armano, A Giuliani, E Tamponi</b>
CONFERENCE	<b>7th Italian Information Retrieval Workshop, IIR 2016, CEUR Workshop Proceedings 1653</b>
TITLE	<b>Stopwords Identification by Means of Characteristic and Discriminant Analysis</b>
AUTHORS	<b>G Armano, F Fanni, A Giuliani</b>
CONFERENCE	<b>ICAART 2015 - 7th International Conference on Agents and Artificial Intelligence 353-360. 10.5220/0005194303530360.</b>
TITLE	<b>Analysis of term roles along taxonomy nodes by adopting discriminant and characteristic capabilities</b>
AUTHORS	<b>G Armano, F Fanni, A Giuliani</b>
CONFERENCE	<b>6th Italian Information Retrieval Workshop, IIR 2015, CEUR Workshop Proceedings 1404</b>
TITLE	<b>Measuring Discriminant and Characteristic Capability for Building and Assessing Classifiers</b>
AUTHORS	<b>G Armano, F Fanni, A Giuliani</b>
CONFERENCE	<b>8th International Workshop on Information Filtering and Retrieval, 2014, CEUR Workshop Proceedings 1314. 48-58.</b>
TITLE	<b>CAMMA: contextual advertising system for multimodal news aggregations</b>
AUTHORS	<b>G Armano, A Giuliani, A Messina, M Montagnuolo</b>
CONFERENCE	<b>21st ACM international conference on Multimedia, 2013, 455-456</b>
TITLE	<b>Matching Ads in a Collaborative Advertising System</b>
AUTHORS	<b>G Armano, A Giuliani</b>
CONFERENCE	<b>International Conference on Electronic Commerce and Web Technologies, 2013, 150-161</b>
TITLE	<b>Are Related Links Effective for Contextual Advertising?-A Preliminary Study</b>
AUTHORS	<b>G Armano, A Giuliani, E Vargiu</b>
CONFERENCE	<b>International Conference on Knowledge Discovery and Information Retrieval, 2012, 221-226</b>
TITLE	<b>Applying Contextual Advertising to MultiModal Information Content</b>
AUTHORS	<b>G Armano, A Giuliani, A Messina, M Montagnuolo, E Vargiu</b>
CONFERENCE	<b>EC-Web 2012: 13th International Conference on Electronic Commerce and Web Technologies, LNBIP 123, 2012, 195-202</b>
TITLE	<b>Using Snippets in Text Summarization: a Comparative Study and an Application</b>
AUTHORS	<b>G Armano, A Giuliani, E Vargiu</b>
CONFERENCE	<b>IIR 2012: 3rd Italian Information Retrieval Workshop, IIR 2012, CEUR Workshop Proceedings</b>

**TITLE** Semantic Enrichment of Contextual Advertising by using Concepts  
**AUTHORS** G Armano, A Giuliani, E Vargiu  
**CONFERENCE** KDIR 2011: International Conference on Knowledge Discovery and Information Retrieval, KDIR 2011, 232-237

**TITLE** Studying the impact of text summarization on contextual advertising  
**AUTHORS** G Armano, A Giuliani, E Vargiu  
**CONFERENCE** 22nd International Workshop on Database and Expert Systems Applications, 2011, 172-176

**TITLE** Experimenting Text Summarization on Multimodal Aggregation  
**AUTHORS** G Armano, A Giuliani, E Vargiu  
**CONFERENCE** DART 2011: 4th International Workshop, New Challenges on Information Retrieval and Filtering, CEUR Proceedings 771

**TITLE** Experimenting Text Summarization Techniques for Contextual Advertising  
**AUTHORS** G Armano, A Giuliani, E Vargiu  
**CONFERENCE** IIR 2011: Second Italian Workshop on Information Retrieval, CEUR Workshop Proceedings 704

**TITLE** A Recommender System Based on a Generic Contextual Advertising Approach  
**AUTHORS** G Armano, A Giuliani, E Vargiu  
**CONFERENCE** The IEEE symposium on Computers and Communications, 2010, 859-861

**TITLE** A novel recommender system inspired by contextual advertising approach  
**AUTHORS** G Armano, A Giuliani, E Vargiu  
**CONFERENCE** ISA 2010: IADIS International Conference - Intelligent Systems and Agents, 2010, 67-74

#### BOOK CHAPTERS

**TITLE** Novel Text Summarization Techniques for Contextual Advertising  
**AUTHORS** G Armano, A Giuliani  
**BOOK** Innovative Document Summarization Techniques: Revolutionizing Knowledge Understanding, IGI Global, 2014, 185-204, Alessandro Fiori (ed.)

**TITLE** Content-based keywords extraction and automatic advertisement associations to multimodal news aggregations  
**AUTHORS** G Armano, A Giuliani, A Messina, M Montagnuolo, E Vargiu  
**BOOK** New Challenges in Distributed Information Filtering and Retrieval, Springer, 2013, 33-52, C Lai, G Semeraro, E Vargiu (eds.)

TITLE	<b>Intelligent Techniques in Recommender Systems and Contextual Advertising: Novel Approaches and Case Studies</b>
AUTHORS	<b>G Armano, A Giuliani, E Vargiu</b>
BOOK	<b>Intelligent Techniques in Recommendation Systems: Contextual Advancements and New Methods, IGI Global, 2012, 105-128, S Dehuri, MR Patra, BB Misra, AK Jagadev (eds.)</b>

#### EDITED BOOKS

TITLE	<b>Emerging Ideas on Information Filtering and Retrieval: DART 2013: Revised and Invited Papers</b>
EDITORS	<b>C Lai, A Giuliani, G Semeraro (eds.), Springer series of Studies in Computational Intelligence, 2018, ISBN 978-3-319-68392-8</b>

TITLE	<b>Information Filtering and Retrieval. DART 2014: Revised and Invited Papers</b>
EDITORS	<b>C Lai, A Giuliani, G Semeraro (eds.), Springer series of Studies in Computational Intelligence, 2017, ISBN 978-3-319-46135-9</b>

TITLE	<b>Distributed Systems and Applications of Information Filtering and Retrieval. DART 2012: Revised and Invited Papers</b>
EDITORS	<b>C Lai, A Giuliani, G Semeraro (eds.), Springer series of Studies in Computational Intelligence, 2014, ISBN 978-3-642-40621-8</b>

#### TALKS

##### CONFERENCES AND WORKSHOPS

TITLE	<b>Efficient Thumbnail Identification through Object Recognition</b>
EVENT	<b>WEBIST 2020: 16th International Conference on Web Information Systems and Technologies</b>
DATE & VENUE	<b>November 5<sup>th</sup>, 2020</b> <span style="float: right;">Online streaming</span>

TITLE	<b>Introduction to Numpy and Matplotlib (Tutorial)</b>
EVENT	<b>Pycon Sardegna 2019</b>
DATE & VENUE	<b>February 25<sup>th</sup>, 2020</b> <span style="float: right;">Cagliari, Italy</span>

TITLE	<b>Discovering relevant patterns inside multilayer Perceptrons</b>
EVENT	<b>MLDM: 8<sup>th</sup> Italian Workshop on Machine Learning and Data Mining</b>
DATE & VENUE	<b>November 19<sup>th</sup>, 2019</b> <span style="float: right;">Reggio Calabria, Italy</span>

TITLE	<b>Scientific Computation with Python (Tutorial)</b>
EVENT	<b>Pycon Sardegna 2018</b>
DATE & VENUE	<b>September 21<sup>st</sup>, 2018</b> <span style="float: right;">Cagliari, Italy</span>

TITLE	<b>Using <math>\varphi - \delta</math> Diagrams on Web Data</b>
EVENT	<b>KDWEB 2018: 4<sup>th</sup> Int. Workshop on Knowledge Discovery on the Web</b>
DATE & VENUE	<b>June 5<sup>th</sup>, 2018</b> <span style="float: right;">Caceres, Spain</span>



TITLE	<b>Using <math>\varphi - \delta</math> diagrams for discovering variable importance in bioinformatics</b>
EVENT	<b>BITS 2017: 14<sup>th</sup> Annual Meeting of the Bioinformatics Italian Society</b>
DATE & VENUE	<b>July 5<sup>th</sup>, 2017</b> <span style="float: right;">Cagliari, Italy</span>
TITLE	<b>Automated taxonomy building by adopting discriminant and characteristic capabilities</b>
EVENT	<b>IIR 2016: 7<sup>th</sup> Italian Information Retrieval Workshop</b>
DATE & VENUE	<b>May 31<sup>st</sup>, 2016</b> <span style="float: right;">Venice, Italy</span>
TITLE	<b>Analysis of term roles along taxonomy nodes by adopting discriminant and characteristic capabilities</b>
EVENT	<b>IIR 2015: 6<sup>th</sup> Italian Information Retrieval Workshop</b>
DATE & VENUE	<b>May 26<sup>th</sup>, 2015</b> <span style="float: right;">Cagliari, Italy</span>
TITLE	<b>CAMMA: Contextual Advertising System for Multimodal News Aggregations</b>
EVENT	<b>ACMMM 2013: ACM Multimedia Conference</b>
DATE & VENUE	<b>October 22<sup>nd</sup>, 2013</b> <span style="float: right;">Barcelona, Spain</span>
TITLE	<b>Matching Ads in a Collaborative Advertising System</b>
EVENT	<b>EC-Web 2013: 14<sup>th</sup> International Conference on Electronic Commerce and Web Technologies</b>
DATE & VENUE	<b>August 28<sup>th</sup>, 2013</b> <span style="float: right;">Prague, Czech Republic</span>
TITLE	<b>Are Related Links Effective for Contextual Advertising? A Preliminary Study</b>
EVENT	<b>KDIR 2012: 4<sup>th</sup> Int. Conf. on Knowledge Discovery and Information Retrieval</b>
DATE & VENUE	<b>October 7<sup>nd</sup>, 2012</b> <span style="float: right;">Barcelona, Spain</span>
TITLE	<b>Applying Contextual Advertising to Multimodal Information content</b>
EVENT	<b>EC-Web 2012: 13<sup>th</sup> International Conference on Electronic Commerce and Web Technologies</b>
DATE & VENUE	<b>September 4<sup>th</sup>, 2012</b> <span style="float: right;">Vienna, Austria</span>
TITLE	<b>Using Snippets in Text Summarization: a Comparative Study and an Application</b>
EVENT	<b>IIR 2012: 3<sup>rd</sup> Italian Information Retrieval Workshop</b>
DATE & VENUE	<b>January 25<sup>th</sup>, 2012</b> <span style="float: right;">Bari, Italy</span>
TITLE	<b>Semantic Enrichment of Contextual Advertising by Using Concepts</b>
EVENT	<b>KDIR 2011: 3<sup>rd</sup> Int. Conf. on Knowledge Discovery and Information Retrieval</b>
DATE & VENUE	<b>October 29<sup>th</sup>, 2011</b> <span style="float: right;">Paris, France</span>

TITLE	<b>Studying the Impact of Text Summarization on Contextual Advertising</b>
EVENT	<b>TIR 2011: 8<sup>th</sup> International Workshop on Text-based Information Retrieval</b>
DATE & VENUE	<b>August 31<sup>st</sup>,</b> <span style="float: right;">Toulouse, France</span>

TITLE	<b>Experimenting Text Summarization Techniques for Contextual Advertising</b>
EVENT	<b>IIR 2011: 2<sup>nd</sup> Italian Information Retrieval Workshop</b>
DATE & VENUE	<b>January 27<sup>th</sup>, 2011</b> <span style="float: right;">Milan, Italy</span>

TITLE	<b>A Novel Recommender System Inspired by Contextual Advertising</b>
EVENT	<b>IADIS International Conference - Intelligent Systems and Agents 2010</b>
DATE & VENUE	<b>July 29<sup>th</sup>, 2010</b> <span style="float: right;">Freiburg, Germany</span>

TITLE	<b>Contextual Advertising: State of the Art and Critical Issues</b>
EVENT	<b>AIxIA 2010, Doctoral Consortium</b>
DATE & VENUE	<b>December 2<sup>nd</sup>, 2010</b> <span style="float: right;">Brescia, Italy</span>

#### INVITED TALKS AT UNIVERSITIES AND RESEARCH CENTERS

TITLE	<b>Implementing <math>\varphi - \delta</math> widget in Orange</b>
DATE	<b>December 13<sup>th</sup>, 2017</b>
VENUE	<b>Philipps-Universität</b> <span style="float: right;">Marburg, Germany</span>

TITLE	<b>Combining Content-Based and Collaborative Filtering Strategies for Contextual Advertising</b>
DATE	<b>February 14<sup>th</sup>, 2017</b>
VENUE	<b>Philipps-Universität</b> <span style="float: right;">Marburg, Germany</span>

TITLE	<b>Using <math>\varphi - \delta</math> to perform feature ranking applications in text categorization and bioinformatics scenarios</b>
DATE	<b>July 5<sup>th</sup>, 2016</b>
VENUE	<b>Straubing Wissenschaftszentrum</b> <span style="float: right;">Straubing, Germany</span>

TITLE	<b>Studying, Developing, and Experimenting Contextual Advertising Systems</b>
DATE	<b>April 8<sup>th</sup>, 2011</b>
VENUE	<b>hoplo s.r.l.</b> <span style="float: right;">Cagliari, Italy</span>

#### INVITED TALKS IN LOCAL EVENTS

TITLE	<b>Machine Learning: Science or Sci-Fi?</b>
EVENT	<b>Linux Day 2019</b>
DATE & VENUE	<b>October 26<sup>th</sup>, 2019</b> <span style="float: right;">Macomer, Italy</span>

TITLE	<b>Inside Machine Learning</b>
EVENT	<b>Linux Day 2019</b>
DATE & VENUE	<b>October 26<sup>th</sup>, 2019</b> <span style="float: right;">Macomer, Italy</span>

TITLE	<b>From "Hello World!" to Industry</b>
EVENT	<b>IEEE Student Branch Events 2019</b>
DATE & VENUE	<b>February 13<sup>th</sup>, 2019</b> <span style="float: right;">Cagliari, Italy</span>

TITLE	<b>Academic Research: personal experience</b>	
EVENT	<b>YourFuture.exe</b>	
DATE & VENUE	<b>April 17<sup>th</sup>, 2017</b>	Assemini, Italy

TITLE	<b>Python Introduction</b>	
EVENT	<b>Linux Day 2016</b>	
DATE & VENUE	<b>October 22<sup>nd</sup>, 2016</b>	Macomer, Italy

#### REVIEWING ACTIVITY

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##### INTERNATIONAL JOURNALS

**AADA:** Advances in Adaptive Data Analysis

**Algorithms**

**Entropy**

**IJERPH:** International Journal of Environmental Research and Public Health

**JMLC:** International Journal of Machine Learning and Cybernetics

**Symmetry**

##### PROGRAM COMMITTEE MEMBERSHIP

**BigDaCI:** Int. Conf. on Big Data Analytics, Data Mining and Computational Intelligence

**BLINKS:** Workshop on Big, Linked and Social Data for Personalized and Intelligent Systems

**CLIC-it:** Italian Computational Linguistics Conference

**COGNITIVE:** International Conference on Advanced Cognitive Technologies and Applications

**DART:** Int. Workshop on New Challenges in Distributed Information Filtering and Retrieval

**DECAT:** Workshop on Deep Content Analytics Techniques for Personalized and Intelligent Services

**ECIR:** European Conference on Information Retrieval

**FINREC:** Int. Workshop on Personalization and Recommender Systems in Financial Services

**ICORES:** International Conference on Operations Research and Enterprise Systems

**IMM :** International Conference on Advances in Information Mining and Management

**ISA:** IADIS International Conference - Intelligent Systems and Agents

**SCDM2020:** International Conference on Soft Computing and Data Mining

##### ORGANIZING ACTIVITIES

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Chair of **KDWEB:** Int. Workshop on Knowledge Discovery on the Web (2015 - current)

Chair of **DART:** Int. Workshop on Information Filtering and Retrieval: Novel Distributed Systems and Applications (2012 - 2015)

Chair of **Pycon Sardegna:** Local Workshop on Python Language (2018 - current)

##### TEACHING ACTIVITY

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##### ACADEMIC TUTOR

COURSES	<b>Object Oriented Programming</b>	(2009 - present)
	<b>Object Oriented Programming and Scripting in Python</b>	(2011 - present)
	<b>Fundamentals of Computer Science II</b>	(2008 - present)
	<b>Fundamentals of Computer Science I</b>	(2009 - 2014)
DEGREE	<b>Electrical and Electronic Engineering</b>	
INSTITUTION	<b>University of Cagliari</b>	

COURSES	<b>Elements of Bioinformatics</b>	(20015 - present)
DEGREE	<b>Biomedicalc Engineering</b>	
INSTITUTION	<b>University of Cagliari</b>	