Curriculum Vitae of Dr. Marco Angelini

Prof. Marco Angelini is an Assistant Professor in Engineering in Computer Science at SAPIENZA University of Rome, Italy, Department of Computer, Control and Management Sciences & Engineering, where he achieved is Ph.D. He defended his Ph.D. thesis, entitled "**Predictive Visual Analytics: dealing with Situation Awareness, Prediction and Forecasting**" on February 20th 2017, with the final grade of Level A ("Excellent", top 25%). He previously studied Computer Science and Engineering at SAPIENZA University of Rome, where he obtained a master degree in a.a. 2010/2011, with the final grade of 110/110.

He is a member and coordinates research projects of **A.W.A.RE group** (**A**dvanced **V**isualization & **V**isual **A**nalytics **RE**search group) (http://aware.diag.uniroma1.it/).
He is a researcher in the **Centre for Cyber-Intelligence and Security** of SAPIENZA University of Rome (https://www.cis.uniroma1.it/en), where he participate in several projects, including the EU FP-7 project "PANOPTESEC", about automatic detection, management and reaction to cyber-threats for Critical Infrastructures protection.
Marco Angelini is member of **CINI Cybersecurity National Laboratory (**https://cybersecnatlab.it/**)**, where he coordinates national projects with the goal of strengthening the Cybersecurity status of an organization, both in public and private sectors.

He is a co-author of the 2019 edition of the **"National Framework for Cybersecurity and Data Protection**" (https://www.cybersecurityframework.it/) and has coordinated the "**CyberReadiness.IT**" project on assessing cybersecurity awareness inside an organization (https://cybersecnatlab.it/cyberreadiness/).

Prof. Marco Angelini is a research consultant for the **EU H2020 Project "ECHO: European network of Cybersecurity centres and competence Hub for Innovation and Operations**" (https://echonetwork.eu/) where he works on the creation of Federated Network of Cyber-ranges for improving cybersecurity training activities and on governance models for cybersecurity competence centres at European level.

Prof. Marco Angelini is a co-author of a **methodology for cyber-risk assessment** investigated in conjunction with several Italian Banking Groups.

His main research interests include:

- *Cybersecurity*, specifically focused on designing solutions for cyber-defense of critical infrastructures, security governance modelling and assessment of cyber-risk, open-source intelligence, malware analysis;
- *Visual analytics*, the process of combining visualization of information, interaction by user and analytical computation for solving heavy computational problems, with the overarching goal of increasing situational awareness and supporting the decision-making process during the different phases of the cyber-attack kill-chain.

- *eXplainable Artificial Intelligence (XAI),* the process of making understandable and interpretable decisions coming from automatic artificial intelligence algorithms for the human user, in oarticular for deep learning (neural networks) approaches.

As a result of these activities, Prof. Marco Angelini has published more than **72 papers** (see the complete list at the end of the document) in peer-reviewed international journals and conferences. At current time, he has an **h-index of 16** and **957 citations** on Google Scholar and an **h-index of 12** and **557 citations** on Elsevier Scopus.

Prof. Marco Angelini is part of the **Steering Committee** of IEEE Symposium on Visualization for Cybersecurity (**VizSec**) (https://vizsec.org/)
Prof. Marco Angelini will serve as **Program Committee** member for the short-paper track of **EuroVis** 2023 (https://www.eurovis.org/)
Prof. Marco Angelini is the **Program co-chair** of the 14th EuroVis Workshop on Visual Analytics (**EuroVA**) 2023 in Leipzing, Germany (https://www.eurova.org/eurova-2023)
Prof. Marco Angelini has been the **Program co-chair** of the 13th EuroVis Workshop on Visual Analytics (**EuroVA**) 2022 in Rome (https://www.eurova.org/eurova-2022)
Prof. Marco Angelini has been the **Demo co-chair** of the 15th ACM Conference on Advanced Visual Interfaces (**AVI**) 2022 in Rome (https://sites.google.com/di.uniroma1.it/avi2022/home)
Prof. Marco Angelini will serve as **Program Committee** member for the short-paper track of **EuroVis** 2022 (https://www.eurovis.org/)
Prof. Marco Angelini has been the **General chair** of the 18th IEEE Symposium on Visualization for Cybersecurity(**VizSec**) 2021(https://vizsec.org/vizsec2021/)
Prof. Marco Angelini has been the **Program co-chair** of the 17th IEEE Symposium on Visualization for Cybersecurity (**VizSec**) 2020 (https://vizsec.org/vizsec2020/#cfp).
Prof. Marco Angelini has been the **Program co-chair** of the 16th IEEE Symposium on Visualization for Cybersecurity (**VizSec**) 2019 (https://vizsec.org/vizsec2019/#cfp).
Prof. Marco Angelini has been the chair of the **Special Day on the Italian National Framework for Cybersecurity and Data Protection** at ITASEC2020, the most important Italian Conference on Cybersecurity (https://itasec.it/about-itasec/).
Prof. Marco Angelini has been the co-organizer on the **Tutorial** on Italian National Framework on Cybersecurity and Data Protection at **ITASEC2019.**
Prof. Marco Angelini has been the co-organizer on the **Tutorial** on Italian National Framework on Cybersecurity and Data Protection at **ITASEC2020.**
Prof. Marco Angelini has been the organizer of 1st **Workshop** on Readiness and Awareness in Cybersecurity at **ITASEC2020.**
Prof. Marco Angelini has been the co-organizer of **ITA.WA**, the 1st Italian **Workshop** on Visualization and Visual Analytics, co-located with AVI 2018 conference.
Prof. Marco Angelini has been the **general chair** of **ITAVIS**, the 2nd Italian **Workshop** on Visualization and Visual Analytics, that will be co-located with AVI 2020 conference. (https://sites.google.com/diag.uniroma1.it/itavis)

More about him can be found at: https://sites.google.com/dis.uniroma1.it/angelini

Dr. Marco Angelini has been and is involved in several scientific program committees, including:
BigDat 2023,
EuroVis short paper 2023,
EuroVis short paper 2022,

AVI 2022,
EuroVis International Workshop on Visual Analytics EuroVA 2022,
EuroVis International Workshop on Visual Analytics EuroVA 2021,
International Symposium on Visualization for Cybersecurity VIZSEC 2022,
International Symposium on Visualization for Cybersecurity VIZSEC 2021,
ITASEC2020,
International Symposium on Visualization for Cybersecurity VIZSEC 2020,
GRAMSEC (Graphical models for Security) 2020,
AVI (Advanced Visual Interfaces) 2020,
STAG (Smart Tools and Applications in Graphics, Eurographics Italian Chapter) 2020,
NordiCHI 2020,
International Symposium on Visualization for Cybersecurity VIZSEC 2019,
International Symposium on Visualization for Cybersecurity VIZSEC 2018,
EuroVis International Workshop on Visual Analytics EuroVA 2016,
EuroVis International Workshop on Visual Analytics EuroVA 2015.

He is an **active reviewer** for:
IEEE Transactions on Visualization & Computer Graphics journal,
IEEE Transactions on Dependable and Secure Computing journal,
IEEE Transactions on Pattern Analysis and Machine Intelligence journal,
IEEE Transactions on Network Science journal,
IEEE Transactions on Mobile Computing journal,
IEEE Access journal,
ACM Journal of Data and Information Quality,
Wiley Computer Graphics Forum journal,
Elsevier Computer & Graphics journal,
The Visual Computer journal,
Scientometrics Elsevier journal,
Frontiers in Computer Science journal,
IEEE VIS International Conference**,**
EuroVIS Iinternational Conference,
ACM CHI Conference,
ACM AVI Conference,
IEEE VizSec Symposium,

He is the **guest editor** of a special issue of the journal Computer & Graphics from Elsevier titled "special issue on EuroVA".

Prof. Marco Angelini taught in several private courses with focus on Cybersecurity, specifically in the 2019 edition of Master of cyber-science at LUISS "Guido Carli" University, in collaboration with CY4GATE.

He taught lectures on "Introduction on Cybersecurity" and "Cybersecurity in Industrial Control Systems and IoT" at the "Ordine degli Ingegneri" of Vicenza. He was a panelist at the 2015 Skytop Strategies seminar on Cybersecurity held in Rome.

Prof. Marco Angelini had teaching experience for computer science courses since 2013 in the School of Engineering at SAPIENZA.

Prof. Marco Angelini is actually an adjunct instructor for the "**Tirocinio in Cybersecurity**" of Master Degree of Link Campus University

Prof. Marco Angelini is actually an adjunct instructor for the "**Master in Cybersecurity**" of the Scuola of Alta Formazione of Link Campus University

Prof. Marco Angelini is actually an adjunct instructor for the course of "**Sicurezza e Disaster recovery nei sistemi informatici**" of Camera di Commercio University Mercatorum

Prof. Marco Angelini is actually an adjunct instructor for the course of "**Advanced Technology for the product design**" for the Bachelor in Design of University of Rome La Sapienza

Prof. Marco Angelini is actually an adjunct instructor for the course of "**Advanced Technology for the product design**" for the Bachelor in Design of University of Rome La Sapienza

Prof. Marco Angelini acted is actually a tutor in "**Visual Analytics**" for the master in Computer Engineering of University of Rome Sapienza

Prof. Marco Angelini acted in 2020 as a tutor in "**Visual Analytics**" for the master in Computer Engineering of University of Rome Sapienza

Prof. Marco Angelini has been an adjunct instructor for the course of "**Languages and Logic of Computers**" for the bachelor degree at school of law of LUISS "Guido Carli" University

Prof. Marco Angelini acted in 2019 as an adjunct instructor for the courses of "**Software design**" for the bachelor in Computer Engineering (sede di Latina) of University of Rome Sapienza.

Prof. Marco Angelini acted in 2019 as a tutor in "**Visual Analytics**" for the master in Computer Engineering of University of Rome Sapienza

Prof. Marco Angelini acted in 2018 as an adjunct instructor for the courses of "**Laboratory of web platforms and cybersecurity**" for the bachelor in Computer Engineering, and as a tutor in "**Visual Analytics**" for the master in Computer Engineering of University of Rome Sapienza.

Prof. Marco Angelini acted in 2017 as a tutor for the courses of "**Fundamentals of Informatics I**" for the bachelor in Computer Engineering, and as a tutor in "**Visual Analytics**" for the master in Computer Engineering of University of Rome Sapienza.

Prof. Marco Angelini has taught in 2017 in the School of Engineering of SAPIENZA a eight lessons seminar on Graphical library "d3.js" and its applications for the master course "Visual Analytics"

Prof. Marco Angelini has taught in 2016 in the School of Engineering of SAPIENZA a six lessons seminar on Graphical library "d3.js" and its applications in the elective on Information Visualization course at the master level of Computer Science.

In 2016 he acted as adjunct instructor for the courses of "**Fundamentals of Informatics**" for the bachelor in Management Engineering of University of Rome Sapienza.

Prof. Marco Angelini has taught in 2015 in the School of Engineering of SAPIENZA a six lessons seminar on Graphical library "d3.js" and its applications in the **elective on Information**

Visualization course at the master level of Computer Engineering. He acted as tutor for the course of "**Fundamentals of Informatics**".

Prof. Marco Angelini has taught in 2014 in the School of Engineering of SAPIENZA a six lessons seminar on Graphical library "d3.js" and its applications in the **elective on Information Visualization** course at the master level of Computer Science. He acted as tutor for the courses of "**Fundamentals of Informatics**" and "**Programming techniques**".

Prof. Marco Angelini has taught in 2013 in the School of Engineering of SAPIENZA a six lessons seminar on Graphical library "d3.js" and its applications in the **elective on Information Visualization** course at the master level of Computer Engineering.
Dr. Marco Angelini has taught in 2012 in the School of Engineering of SAPIENZA a two lessons seminar on Graphical library "d3.js" and its applications in the **elective on Information Visualization** course at the master level of Computer Engineering.

He co-advised, as of today, more than **33 master theses and 10 bachelor theses**.

In 2011 Prof. Marco Angelini has been involved for his master thesis in the development and finalization of the main UI component of the FP7 European project "SM4All". From 2011 to 2013 he has been involved in FP7 European project "PROMISE", aimed at advancing the evaluation of Information Retrieval systems. From 2013 to 2016 he has been involved in the FP7 European project "PANOPTESEC" aiming at providing an automated system for dealing with cyber-threats targeted at Critical Infrastructures.

Homepage: https://sites.google.com/dis.uniroma1.it/angelini

Indicatori Bibliometrici:

Google Scholar:
Profilo: https://scholar.google.it/citations?user=Pyl5QeIAAAAJ&hl=it&oi=ao
Numero citazioni**: 957**
H-index**: 16**

Elsevier Scopus:
Profilo: https://www.scopus.com/authid/detail.uri?authorId=55389865800

Numero citazioni**: 557**
H-index**: 12**

1. Education

Ph. D. in Computer Science and Engineering, SAPIENZA Università di Roma, Italy, 2017.

Dissertation: "*Predictive Visual Analytics: dealing with Situation Awareness, Prediction and Forecasting*"
final grade: Level A ("Excellent", top 25%)
Advisor: Prof. Giuseppe Santucci

Master degree in Computer Science and Engineering, SAPIENZA Università di Roma, Italy, 2011.

Dissertation: "*Interfaccia Utente per il sistema domotico "SM4All": Reverse Engineering, reingegnerizzazione e test del modulo Abstract Adaptive Interface*"
Advisor: Prof. Giuseppe Santucci, co-advisor: Msc. Giuseppe Tino, mark: 110/110

2. Key Skills

Prof. Marco Angelini is a skilled teacher and user of the following programming languages and tools:

- Java, Java2EE
- Javascript, Php, Python, R, d3.js, Ruby on rails
- Scientific Python distribution
- Arduino platform
- C, C++, Objective C
- HTML, CSS, XML, web development design tools
- Matlab and Simulink
- Latex, Word, Excel, Powerpoint, Keynotes
- VMWare stack
- Kali Linux

Prof. Marco Angelini is fluent in both written and spoken English language, and at beginner level in written and spoken Japanese Language.

3. Working Experience

February 2022 - present	**Assistant Professor** at SAPIENZA University of Rome Dipartimento di Ingegneria Informatica, Automatica e Gestionale
February 2017 – January 2022	**PostDoc** at SAPIENZA Università di Roma Dipartimento di Ingegneria Informatica, Automatica e Gestionale
January 2015-present	**Member of CINI Cybersecurity National Laboratory**
December 2013 - 2017	**External consultant of C.R.E.A. (Consiglio per la Ricerca e la sperimentazione in Agricoltura) for Cybersecurity**
October 2016 – November 2016	**Cybersecurity consultant** for Indonesian National Security Agency.
October 2012 – February 2016	**Ph.D. Student** SAPIENZA Università di Roma Dipartimento di Ingegneria Informatica, Automatica e Gestionale SSD: ING/INF-05
February 2012 – September 2012	**Research associate** SAPIENZA Università di Roma Dipartimento di Ingegneria Informatica, Automatica e Gestionale SSD: ING/INF-05
March 2002 – August 2006	**Coordinator** at E.U.R. (Edizioni Universitarie Romane) for preparation and evaluation of admission test to bachelor degree university courses and S.S.I.S. courses.

4. Research

The research activity is currently performed in the areas of *Cyber-security, Big Data Analysis , Visual Analytics and Information Visualization* at Dipartimento di Ingegneria Informatica, Automatica e Gestionale, SAPIENZA Università di Roma.

Prof. Marco Angelini's research focuses on:

- **Cybersecurity**
    - Modelling and assessment of cyber-risk
    - Security governance standards and methodologies
    - Support the security operators in managing cyber-threats analysis and mitigation
    - Open Source Intelligence (OSINT)
- **Visual Analytics**
    - Progressive Visual Analytics
    - Visual Analytics for eXplainable Artificial Intelligence
    - Interaction and visualization in large data set scenario
    - Design visual analytics environment for allowing exploratory analysis of Big Data
    - Data Representation
    - Visual Mapping

The previous interests are challenged in the application domains of Information Retrieval algorithms, User Interfaces, Domotics (Home Automation) and web services.

Prof. Marco Angelini has published more than **72 papers** (see the complete list at the end of the document) in peer-reviewed international journals and conferences.

5. Projects

Here is a list of past and current research projects Marco Angelini has been involved in:

01/06/2019 - present	**Research Consultant**	**ECHO: European Network of Cybersecurity centres and Competence Hub for Innovation and Operations** (https://echonetwork.eu/)
04/04/2017- 01/01/2021	**Technical coordinator**	**CINI Cybersecurity National Lab project on designing and implementing Cybersecurity strategy** for a Large Italian Public Administration.
01/09/2019 – 01/10/2020	**Scientific coordinator**	**Cyberreadiness.IT,** CINI National Project on improving cybersecurity readiness inside an organization (https://cybersecnatlab.it/cyberreadiness/)
01/12/2013 – 2016	**Designer and developer** of visual analytics environments for cybersecurity response systems	**PANOPTESEC (FP7-ICT-2013.10, project in the Cooperation program of FP7)** Financing to SAPIENZA: about 600K€ Overall financing: 6.000 K€ The projects applies Information Visualization concepts on top of the cyber-security domain, aiming at advancing the insights in the different process of critical infrastructure defence and cyber-attacks automated response.
01/11/2011 – 30/10/2013	**Designer and developer** on multiple-coordinated views Environments for Information Retrieval evaluation	**PROMISE NoE(FP7-ICT 2009.4.3, Intelligent Information management, project in the Cooperation program of FP7)** Financing to SAPIENZA/CINI: about 230K€ (divided as 170/30K€) The projects applies Information Visualization concepts on top of the Information Retrieval domain, aiming at advancing the insights in the different process of an evaluation campaign.

01/04/2011 – 31/10/2011	**User Interface component designer and developer** Project manager: prof. Roberto Baldoni	**SM4All (FP7-224332, STREP project in the Cooperation program of FP7)** Overall funding from EU: 2.995K€ The project applies BCIs, service composition and planning, service oriented architectures to the field of home automation in order to design next-generation technologies for AAL and home automation

6. Teaching

2022/2023	• Professor for the course of "**Advanced Technologies for Product Design**", 6 CFU at Sapienza University of Rome, Bachelor in Design, Faculty of Architecture. • Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering
2021/2022	• Professor for the course of "**Advanced Technologies for Product Design**", 6 CFU at Sapienza University of Rome, Bachelor in Design, Faculty of Architecture. • Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering
2020/2021	• Adjunct Instructor for the course of "**Advanced Technologies for Product Design**", 6 CFU at Sapienza University of Rome, Bachelor in Design, Faculty of Architecture. • Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering • Adjunct Instructor for the course of "**Tirocinio in Cybersecurity**" of Master Degree of Link Campus University • Adjunct instructor for the "**Master in Cybersecurity**" of the Scuola of Alta Formazione of Link Campus University • Adjunct instructor for the course of "**Sicurezza e Disaster recovery nei sistemi informatici**" of Camera di Commercio University Mercatorum
2019/2020	• Adjunct Instructor for the course of "**Software design**", 3 CFU at Sapienza University of Rome, Bachelor in Information Engineering • Adjunct Instructor for the course of "**Language and Logic of Computers**" at LUISS "Guido Carli" University, bachelor in law.

2018/2019

- Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering
- Adjunct Instructor for the course of "**Laboratory of web platform and cybersecurity**", 3 CFU at Sapienza University of Rome, Bachelor in Information Engineering
- Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering

2017/2018

- Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering

- Tutor for the course of *Information Systems* at LUISS University, School of Economics and Business
- Tutor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering
- Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering

2016/2017

- Tutor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering
- Tutor for the course of *Visual Analytics*, 6 CFU at La Sapienza Università di Roma, Master of Information Engineering

2015/2016

- Tutor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering
- Adjunct Instructor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Management Engineering
- Seminar on "d3.js" graphic library in the elective on *Information Visualization* 3 CFU at La Sapienza Università di Roma, School of Information Engineering (6 lessons)

2014/2015

- Tutor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering
- Seminar on "d3.js" graphic library in the elective on *Information Visualization* 3 CFU at La Sapienza Università di Roma, School of Information Engineering (6 lessons)

2013/2014

- Tutor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering
- Tutor for the course of *Programming Techniques*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering (6 lessons)
- Seminar on "d3.js" graphic library in the elective on *Information Visualization* 3 CFU at La Sapienza Università di Roma, School of Information Engineering (6 lessons)

2012/2013

- Tutor for the course of *Fundamentals of Informatics 1*, 6 CFU at La Sapienza Università di Roma, School of Information Engineering
- Seminar on "d3.js" graphic library in the elective on *Information Visualization* 3 CFU at La Sapienza Università di Roma, School of Information Engineering (6 lessons)

2011/2012

- Seminar on "d3.js" graphic library in the elective on *Information Visualization* 3 CFU at La Sapienza Università di Roma, School of Information Engineering (2 lessons)

7. Awards

- In 2021 Marco Angelini was awarded a "**Best Poster award**" at 11th EuroGraphics Workshop on Visual Computing for Biology and Medicine (VCBM) for the work titled "**NetLas: Toward an integrated atlas for exploration and analysis of network medicine data**".
- In 2020 Marco Angelini was awarded an "**Honorable mention award**" at ACM Advanced Visual Interface Conference 2020 with the paper "**CrossWidgets: Enhanching Complex Data Selections through Modular Multi Attribute Selectors**",
- In 2018 Marco Angelini was an **Invited speaker** at Dagsthul seminar on Progressive Data Analysis and Visualization (https://www.dagstuhl.de/en/program/calendar/semhp/?semnr=18411)
- In 2018 Marco Angelini was awarded a "**Best Paper award**" for the work titled "**ROPMate: Visually Assisting the Creation of ROP-based Exploits**" at the 15th Internation Symposium on Visualization for Cybersecurity.
- In 2017 Marco Angelini was an **invited speaker** at the ACM chapter Rome discussing the topic "**Predictive Visual Analytics**".

- In 2017 Marco Angelini was awarded a "**Honorable mention award**" for the work titled "**The Dark side of Progressive Visual Analytics**" at the 7th International Workshop on Information Visualization and Scientific Visualization (WVIS) in the 30th Conference on Graphics, Patterns and Images (SIBGRAPI'17).
- In 2015 Marco Angelini was awarded a "**Honorable mention award**" for the work titled "**A visual analytics system for mobile telecommunication marketing analysis**" at the 7th International EuroVis Workshop on Visual Analytics (EuroVA).

8. Full list of Publications

Journal papers (peer-reviewed)

[j1] M. Angelini, G. Blasilli, S. Lenti and G. Santucci, "**A Visual Analytics Conceptual Framework for Explorable and Steerable Partial Dependence Analysis**," in IEEE Transactions on Visualization and Computer Graphics, doi: 10.1109/TVCG.2023.3263739.

[j2] La Rosa, B., Blasilli, G., Bourqui, R., Auber, D., Santucci, G., Capobianco, R., Bertini, E., Giot, R. and Angelini, M. (2023), "**State of the Art of Visual Analytics for eXplainable Deep Learning**". Computer Graphics Forum. https://doi.org/10.1111/cgf.14733

[j3] Marco Angelini, Graziano Blasilli, Simone Lenti, Alessia Palleschi and Giuseppe Santucci, "**Effectiveness Error: Measuring and Imnproving RadViz Visual Effectiveness**", in IEEE Transactions on Visualization and Computer Graphics, doi: 10.1109/TVCG.2021.3104879.

[j4] Angelini, M., Daraio, C. & Urban, L. "**A visual analytics approach for the assessment of information quality of performance models—a software review**". Scientometrics 127, 6827–6853 (2022). https://doi.org/10.1007/s11192-022-04399-2

[j5] Marius Hogräfer, Marco Angelini, Giuseppe Santucci, and Hans-Jörg Schulz. 2022. "**Steering-by-example for Progressive Visual Analytics**". ACM Trans. Intell. Syst. Technol. 13, 6, Article 96 (December 2022), 26 pages. https://doi.org/10.1145/3531229

[j6] A. Dattolo, M. Corbatto and M. Angelini, "**Authoring and Reviewing Bibliographies: Design and Development of a Visual Analytics Online Platform**," in IEEE Access, vol. 10, pp. 21631-21645, 2022, doi: 10.1109/ACCESS.2022.3153027.

[j7] Stefano Armenia, Marco Angelini, Fabio Nonino, Giulia Palombi, Mario Francesco Schlitzer: "**A dynamic simulation approach to support the evaluation of cyber risks and security investments in SMEs**". Decision Support Systems 147: 113580 (2021)

[j8] Marco Angelini, Cinzia Daraio, Maurizio Lenzerini, Francesco Leotta, Giuseppe Santucci: "**Performance model's development: a novel approach encompassing ontology-based data access and visual analytics**". Scientometrics 125(2): 865-892 (2020)

[j9] Edwin K. Silverman, Harald H. H. W. Schmidt, Eleni Anastasiadou, Lucia Altucci, Marco Angelini, Lina Badimon, Jean-Luc Balligand, Giuditta Benincasa, Giovambattista Capasso,

Federica Conte, Antonella Di Costanzo, Lorenzo Farina, Giulia Fiscon, Laurent Gatto, Michele Gentili, Joseph Loscalzo, Cinzia Marchese, Claudio Napoli, Paola Paci, Manuela Petti, John Quackenbush, Paolo Tieri, Davide Viggiano, Gemma Vilahur, Kimberly Glass, Jan Baumbach, **"Molecular networks in Network Medicine: Development and applications"**. Wiley Interdisciplinary Reviews: Systems Biology and Medicine 2020;e1489. https://doi.org/10.1002/wsbm.1489 (IF=3.542)

[j10] Marco Angelini, Juri Buchmüller, Daniel A. Keim, Philipp Meschenmoser and Giuseppe Santucci (2019), "**SurgeryCuts: Embedding Additional Information in Maps without Occluding Features**". Computer Graphics Forum, 38: 237-247. doi:10.1111/cgf.13685 (IF=2.373)

[j11] Marco Angelini, Tiziana Catarci, Giuseppe Santucci, "**IVAN: An Interactive Herlofson's Nomogram Visualizer for Local Weather Forecast**", MDPI Computers 8(3), 53, 2019 https://doi.org/10.3390/computers8030053

[j12] Marco Angelini, Silvia Bonomi, Simone Lenti, Giuseppe Santucci, Stefano Taggi, "**MAD: A visual analytics solution for Multi-step cyber Attacks Detection**". Journal of Computer Languages, Volume 52, 2019, Pages 10-24, ISSN 2590-1184, https://doi.org/10.1016/j.cola.2018.12.007.

[j13] Marco Angelini, Graziano Blasilli, Tiziana Catarci, Simone Lenti, Giuseppe Santucci. "**Vulnus: Visual Vulnerability Analysis for Network Security**". IEEE Transactions on Visualization and Computer Graphics (TVCG), 2018 (IF=3.780)

[j14] Marco Angelini; Giuseppe Santucci; Heidrun Schumann; Hans-Jörg Schulz. 2018. "**A Review and Characterization of Progressive Visual Analytics**." *Informatics* 5, no. 3: 31.

[j15] Paolo Ceravolo, Antonia Azzini, Marco Angelini, Tiziana Catarci, Philippe Cudré-Mauroux, Ernesto Damiani, Alexandra Mazak, Maurice Van Keulen, Mustafa Jarrar, Giuseppe Santucci, Kai-Uwe Sattler, Monica Scannapieco, Manuel Wimmer, Robert Wrembel and Fadi Zaraket. **Big Data Semantics. J**ournal of Data Semantics.

[j16] Marco Angelini, Vanessa Fazzini, Nicola Ferro, Giuseppe Santucci, Gianmaria Silvello: **CLAIRE: A combinatorial visual analytics system for information retrieval evaluation.** Journal of Information Processing and Management, 2018

[j17] Schulz, H. J., Angelini, M., Santucci, G., & Schumann, H. (2016). "**An Enhanced Visualization Process Model for Incremental Visualization**". IEEE transactions on visualization and computer graphics (2016), 22(7), 1830-1842. (IF=3.780)

[j18] Angelini, Marco, and Giuseppe Santucci. "**Cyber situational awareness: from geographical alerts to high-level management**". Journal of Visualization (2016): 1-7.

[j19] Marco Angelini, Nicola Ferro, Giuseppe Santucci, Gianmaria Silvello: "**VIRTUE: A visual tool for information retrieval performance evaluation and failure analysis**". Journal of Visual Languages and Computing, 25(4): 394-413 (2014)

Conferences and Workshops (peer-reviewed)

[C1] G. Acitelli, M. Angelini, S. Bonomi, F. M. Maggi, A. Marrella and A. Palma, "**Context-Aware Trace Alignment with Automated Planning**," *2022 4th International Conference on Process Mining (ICPM)*, 2022, pp. 104-111, doi: 10.1109/ICPM57379.2022.9980649.

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