




PERSONAL INFORMATION

Tiziana Catarci

 Sapienza-Università di Roma, Dipartimento di Ingegneria Informatica, Automatica e Gestionale
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PRESENT POSITION

Full professor in Computer Engineering
Department of Computer, Control and Management Engineering “Antonio Ruberti”, Sapienza University of Roma
From May 1st: Director of the Institute for Cognitive Sciences and Technologies (ISTC) of the National Research Council of Italy (CNR)

WORK EXPERIENCE

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|--------------|---|
| 2000-Present | Full professor in Computer Engineering |
| 2019-2025 | Member of the Evaluation Unit and OIV of the University of Teramo |
| 2024-Present | President of the SIPEIA association, the Italian Society for the Ethics of Artificial Intelligence (https://sipeia.it/) |
| 2020-Present | Member of the Consiglio Superiore dei Lavori Pubblici (Superior Council of Public Works) |
| 2018-2024 | Department Chair - Dipartimento di Ingegneria Informatica, Automatica e Gestionale Antonio Ruberti |
| 2020-2024 | Founding member and vice-president of the SIPEIA association, the Italian Society for the Ethics of Artificial Intelligence (https://sipeia.it/) |
| 2022-2024 | Member of the Ethics Committee of the Ministero dell'Economia e delle Finanze for the digitization of the Tax Justice. |
| 2022-2024 | Representative of full professors in the Academic Senate |
| 2015-2020 | Director of the Interuniversity Research Center “ECONA” |
| 2015-2018 | Director of the Research Center “Sapienza Design Research” |
| 2015-2017 | President of KION S.p.A. |

- 2011-2017 Board member of Consorzio CINECA
- 2009-2014 President of Infosapienza Center
Sapienza-Università di Roma
- 2010-2014 Vice Rector for Infrastructures and Technologies
Sapienza-Università di Roma
- 2010-2014 Coordinator “Organismo di Indirizzo e Raccordo”
Sapienza-Università di Roma
- 1998-2000 Associate Professor in Computer Engineering
Sapienza-Università di Roma
- 1990-1998 Assistant Professor in Computer Engineering
Sapienza-Università di Roma
- 1987-1989 Fellowship holder
ISTAT

EDUCATION AND TRAINING

- October 1992 PhD in Computer Science
Sapienza-Università di Roma
- February 1987 Laurea (master) degree in Electronic Engineering
Sapienza-Università di Roma

PERSONAL SKILLS

Mother Tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B1	B1	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Language

Research Activity

Tiziana Catarci has published over 200 articles in prestigious international journals and conferences and has written or published more than 20 books mainly in the areas of human-computer interaction (HCI) and databases (**a subset can be found here: <http://dblp.uni-trier.de/pers/hd/c/Catarci:Tiziana>**). She is among the World's Top 2% Scientists according to Stanford's list <https://data.mendeley.com/datasets/btchxktzyw/2>. Tiziana Catarci and her group have been among the first in Italy to work on HCI, both from a theoretical and from an experimental point of view. In particular, they did foundational work on the user access to the information, proposing both usable (yet formalized) interaction languages and information representations and visualizations. Analogously they have been precursors in approaching the problem of the quality of data in large, heterogeneous environments, where several information systems cooperate by proposing innovative models and instance matching algorithms. She is recently working on AI ethics as a founder of SIpEIA, the Italian Scientific Society for Ethics in Artificial Intelligence (<https://sipeia.it/>).

Research Projects

Since the early years of activity, she has coordinated or participated in numerous national and international research projects, including the European projects KIM, VENUS, FADIVA, LAURIN, SEWASIE, DELOS, Interop, WORKPAD, SM4All, PROMISE, SmartVortex, and Italian projects (FIRB) MAIS and eG4M, and (PRIN) ESTEEM and DaQuinCis. PON NEPTIS, MUR CTN01_00034_23154 - Social Museum Smart Tourism. She is presently coordinating the Sapienza group in a large PNRR project on Circular and Sustainable Made in Italy (MICS) and the DIAG unit in the PRIN 2022 Project "Discount quality for responsible data science: Human-in-the-Loop for quality data" and in the MISE project "Electrospindle 4.0". Since June 2020 she has been a member of the Management Committee of the COST Action CA19122 "European Network for Gender Balance in Informatics".

Honors and Awards

In 2003 she won the IBM Eclipse Innovation Award for the SEAWER, Semantic Annotation of web Resources, project.
In 2015 she received the honor of Commander of the Italian Republic.
In 2016 she was invited to join the prestigious European Academy of Sciences and Arts
In 2016 she was included among the "100 women for science" of the project <http://www.100esperte.it/> promoted by the Bracco Foundation
In 2017 she received the Levi Montalcini Association award for the "diffusion of scientific culture among the younger generations".
In 2018 she was chosen to be part of the "InspiringFifty", <https://italy.inspiringfifty.org/>, 50 women who act as role models in the world of technology, inspiring younger women (and men) as a point of reference for their ambitions.
In 2018 she was nominated fellow of the EAI - European Alliance for Innovation.
In 2021 she received the Women&Tech international award "Le Tecnovisionarie".
In 2023 she was one of the 10 women of science for the Italian Research Day in the World [#YouTube](#)

Editorial Activity

From June 2017 to November 2023 she has been Editor-in-Chief of the ACM Journal of Data and Information Quality (JDIQ), the most important journal on data quality. Moreover, she is currently in the Editorial Board of the World Wide Web Journal and the Journal on Data Semantics. Previously she was in the Editorial Board of IEEE Multimedia and of the VLDB Journal.
She has participated in the program committees and in the review activities of the most important international conferences and journals, mainly in the database and HCI areas, including the co-presidency for 2008 of the most important international conference in the HCI sector, the ACM Conference on Computer-Human Interaction (CHI). Just to cite a recent example, in 2020 she was Industrial Track Chair of the largest database conference, the International Conference on Very Large DataBases (VLDB).

Invited Presentations

Tiziana Catarci has been often invited to give talks during important international conferences and at prestigious national and international universities and research centers. Just to cite a few examples, at the very beginning of her activity, in 1988 she was invited to give a talk at the Department of Computer Sciences and Engineering of the University of Florida; During 2000 she was the keynote speaker of the international conference GIScience 2000, and of the Fourth International Conference on Flexible Query Answering Systems. In 2011 she was the keynote speaker of IDEAS 2011, 15th Int. Database Engineering and Application Symposium. In 2015 she has been one of the keynote speakers at the invitation-only workshop on Semantic Digital Humanities organized by the Oxford University. In December 2017 she was one of the keynote speakers at IEEE Big Data held in Boston. In 2019 she gave one of the keynotes at the IEEE International Conference on Consumer Electronics (ICCE) in Berlin. In July 2023 she was invited by the Korean Parliament and the Italian Embassy in Seoul to hold a keynote talk on "Ethics in Metaverse" at the National Assembly.

Teaching Activities

The institutional didactic activities mainly concerned the teaching of databases and human-computer interaction. In particular, in 2003, among the very first in Italy, Tiziana Catarci introduced the topic of human-computer interaction in the Sapienza Master of Science in Engineering in Computer Science.

Organization and Management Activity

As part of her activities as vice rector and president of the Infosapienza Center, Tiziana Catarci has promoted a profound renewal and rationalization of technological infrastructures (expansion and systemization of networks and WiFi) and IT services, equipping Sapienza with integrated information systems to support all the administrative, research and teaching activities. In this context, the process of computerization and dematerialisation of students' careers and teaching programming was completed, as well as the creation of the new portal, of a more efficient and modern e-mail system and collaborative environment, and of the Sapienza Digital Library. During the last year of her mandate, Tiziana Catarci has defined and launched the Sapienza "cloud" project; the cloud infrastructure supporting innovative laboratories based on "BYOD" technology, interactive environments with augmented and virtual reality solutions, advanced multimedia classrooms and new ways of using e-learning.

As department chair she has worked on improving the department visibility through communication campaigns on diverse media and platforms, and further strengthen its reputation also by recruiting international top scientists via the "chiamata diretta" mechanism. Furthermore, she has increased the department relationship with the society through dissemination events and initiatives on socially relevant issues (eg the presentation of the book by Gino Cecchetti and Marco Franzoso "Cara Giulia" <http://www.diag.uniroma1.it/node/28055>). Finally, under her guidance, the department budget (mainly deriving from national and international projects) exceeded 15 million euros.

Girls in ICT

Since many years Tiziana Catarci has been interested in both gender issues in the so-called STEM subjects, and in the dissemination of the STEM culture among girls and boys (an activity for which she was awarded in 2017 by the Levi Montalcini Association). During this activity she has published scientific articles (eg, <https://agcult.it/a/39188/2021-06-04/equita-di-genere-il-valore-della-mancanza-di-diversita-nella-rivoluzione-digitale>, https://link.springer.com/chapter/10.1007/978-3-031-35897-5_17) and, above all, organized meetings with high school girls, collaborated in projects promoted by public and private organizations, played the role of role model and mentor in meetings and presentations.

- Other Activities** During 1996 Tiziana Catarci has been a founder member of the Italian Chapter of the ACM Special Interest Group on Computer-Human Interaction.
- Since 2006 she has been part of the Advisory Board of the Kaiserslauter DFKI HCIV program.
- She is also very involved in evaluation activities both at level of projects and institutional. As for project evaluation, she has been a EU and NSF reviewer and panelist for several research programs, as well as a reviewer and panelist for the evaluation of many national and regional projects from both industry and academia (e.g., FIT, PIA, FIRB, PRIN, MUR and MISE programs).
- From 2012 to 2014 she was Italian National Expert in the Technologies Committee for the Information Society (ICT) of FP7.
- In 1997-2000 she has been the chair of the working group on Usability of Public Administration Information Systems promoted by the Italian Authority on Computer Systems in Public Administration.
- From 2016 to 2018 she was part of the Big Data Committee of the National Institute of Statistics (ISTAT)
- Since 2018 she has been a member of the Steering Committee for the digital innovation project (EDI) of Confcommercio
- Since 2020 she has been a member of the "Telemedicine Observatory" Scientific Committee of the High School of Economics and Management on Health Systems of the Università Cattolica del sacro Cuore.
- Since December 2022 she has been a member of the Ethics Committee of the PRODIGIT project for the digitalization and creation of innovative services to support the MEF's Tax Justice.
- Since March 2021 she has been the Sapienza representative on the advisory board of STEAmiamoci (<https://steamiamoci.it/chi-siamo/>).
- Since September 2022 she has been in the WG on "Overcoming the gender gap in digital skills" established by Repubblica Digitale - Department for Digital Transformation, PdCM.
- In July 2024 she was called to join the Commission of the Chamber of Deputies for the evaluation of proposals on the use of generative artificial intelligence at the Chamber of Deputies.
- Outside of academia, she has been a consultant to large (private and government) organisations and has been often invited to give keynote talks in corporate events of major companies and public administration on topics related to data and process management, digital innovation, artificial intelligence, ethics, interaction.
- Personal Data** I authorize the use of my personal data according to Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".