

# Gabriele Civitarese

## CURRICULUM VITAE

### PERSONAL INFORMATION

LAST NAME	CIVITARESE
NAME	GABRIELE
BIRTH DATE	16/08/1990

### Qualifications

- **[February 2018]** - *Ph.D. in Computer Science*, Università degli Studi di Milano, Milan, Italy.
- **[October 2014]** - *M.sc. in Computer Science*, Università degli Studi di Milano, Milan, Italy.
- **[October 2012]** - *B.sc. in Computer Science*, Università degli Studi di Milano, Milan, Italy.

### Professional experience

- **[November 2022 - now]** - *Assistant Professor (RTD-B)* at Dept. of Computer Science at Università degli Studi di Milano, Milan, Italy.
- **[March 2021 - October 2022]** - *Assistant Professor (RTD-A)* at Dept. of Computer Science at Università degli Studi di Milano, Milan, Italy.
- **[March 2018 - February 2021]** - *Postdoctoral Researcher* at Dept. of Computer Science at Università degli Studi di Milano, Milan, Italy.
- **[2015-2016]** - *Software developer* at EveryWare Technologies (university's spin-off).

### Research areas

- Sensor-based human activity recognition
- Behavioral analysis in smart-home environments for health-care applications
- Context-aware distributed and pervasive systems

### Awards

- 3 years of research grant from the Italian national funding for Ph.D. courses at the Department of Computer Science, University of Milan, 2014.
- IEEE CS TCPP and TCCC Travel Grant at PerCom 2015 conference.
- IEEE CS TCPP and TCCC Travel Grant at PerCom 2017 conference.
- IEEE CS TCPP and TCCC Travel Grant at PerCom 2020 conference.

## Abroad research experiences

- **[February 2016]** Visiting Researcher at University of Mannheim, Germany at “Data and Web Science Group” under the supervision of professor Heiner Stuckenschmidt. He worked at unsupervised methods for human activity recognition in smart-home environments. This collaboration has led to the publication of several peer-reviewed papers at major conferences.
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## Projects

### Research projects:

- **[2022-2024]** *“e-CARE: Un sistema di CurA e prevenzione digitale, peRvasivo e intElligente”*. Funded by University of Milan through the competitive call “GSA: Grandi Sfide di Ateneo”.
- **[2021-2023]** *“Akusesu: accessible visits to places of cultural interest”*. Participation as a workpackage leader. Collaboration between Italy and Japan. Founded by Ministero Italiano degli Affari Esteri.
- **[2021-2023]** *“Play4Physio: physical therapy and videogames”*. Funded by Comunità di Milano through competitive call “Bando57”.
- **[2021-2022]** *“APOLLO: Artificial intelligence methods for early diagnosis of hemarthrosis in hemophilic patients using mobile ultrasound scanners”*. Founded by ‘Università degli Studi di Milano through competitive call “Seal of Excellence”. **[2014-2015]** *SECURE: Sistema intelligente per diagnosi preCoci e follow-Up domiciliaRE*. SECURE: Intelligent System for Early Diagnosis and Follow-up at Home. Funded by the Lombardy Region, Italy. Local PI: Prof. Claudio Bettini

### Industrial projects:

- **[2018]** *Progettazione e realizzazione di un modulo software dimostrativo per family activity recognition a partire da dati acquisiti da sensori in ambiente smart-home*. Research commissioned by TIM (Telecom Italia Mobile). PI: Prof. Claudio Bettini.
- **[2015-2017]** *Gestione, elaborazione e protezione di dati provenienti da sensori e dispositivi in ambiente SmartHome*. Research commissioned by BTicino. PI: Prof. Claudio Bettini

### Internal projects:

- **[2021-ongoing]** *IDEA - Intelligent Data intensive services for human centered pervasive environments*. Progetto UniMi PSR linea 2. PI: Prof. Claudio Bettini.
- **[2018-2020]** *DECANO 4.0*. Progetto UniMi PSR linea 2. PI: Prof. Gian Paolo Rossi.
- **[2015-2017]** *Adaptive Privacy for Pervasive Sharing - PROGETTO “UNIMI PARTENARIATI H2020”, PIANO DI SOSTEGNO ALLA RICERCA linea 1*. PI: Prof. Claudio Bettini.
- **[2015-2018]** *Data Intensive Applications in Smart City’s Scenarios (DECANO)*. Progetto UniMi PSR linea 2. PI: Prof. Gian Paolo Rossi.

## International Conferences organization

- **Workshop organizer:** *CoMoRea 2023, The 19th Workshop on Context and Activity Modeling and Recognition*. Atlanta, Georgia, USA, March 2023.
- **Workshop organizer:** *CoMoRea 2022, The 18th Workshop on Context and Activity Modeling and Recognition*. Pisa, Italy, March 2022.
- **Publication chair:** *PerCom 2022, The 20th IEEE International Conference on Pervasive Computing and Communications*. Pisa, Italy, March 2022.

- **Workshop organizer:** *CoMoRea 2021, The 17th Workshop on Context and Activity Modeling and Recognition. Kassel, Germany, March 2021.*
- **Publication chair:** *PerCom 2021, The 19th IEEE International Conference on Pervasive Computing and Communications. Kassel, Germany, March 2021.*
- **Program chair:** *MobiHealth 2020, 9th EAI International Conference on Wireless Mobile Communication and Healthcare. Saint Andrews, Great Britain, November 2020.*
- **Website chair:** *IEEE PerCom 2017, 15th IEEE International Conference on Pervasive Computing and Communications. Kailua-Kona, Hawaii, USA, March 2017.*

## Program Committee Member

He was/is a member of the following program committees:

- **IEEE/ACM CHASE:** *IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies, Orlando, Florida, USA, JUNE 21-23, 2023.*
- **IEEE PerCom:** *The 21th IEEE International Conference on Pervasive Computing and Communications, Atlanta, USA, MARCH 13-17, 2023.*
- **IEEE PerCom (Work in Progress Session):** *WiP session at the 21th IEEE International Conference on Pervasive Computing and Communications, Atlanta, USA, MARCH 13-17, 2023.*
- **IEEE UIC:** *The 19th IEEE International Conference on Ubiquitous Intelligence and Computing, Haikou, Hainan, China, DECEMBER 15-18, 2022.*
- **IEEE/ACM CHASE:** *IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies, Washington, D.C., USA, NOVEMBER 17-19, 2022.*
- **SmartWear:** *The 2022 Workshop on Smart Wearable Systems and Applications (SmartWear 22), co-located with the ACM MobiCom 2022, Sidney, Australia, October 2022.*
- **IEEE PerCom 2022:** *The 20th IEEE International Conference on Pervasive Computing and Communications, Pisa, Italy, MARCH 21-25, 2022.*
- **IEEE PerCom Ph.D. Forum 2022:** *The 15th Ph.D. Forum on Pervasive Computing and Communication, Pisa, Italy, MARCH 21-25, 2022.*
- **EAI Mobiquitous 2021:** *The 18th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services, Beppu, Japan, NOVEMBER 8-11, 2021.*
- **IEEE UIC 2021:** *The 18th IEEE International Conference on Ubiquitous Intelligence and Computing, Atlanta, USA, OCTOBER 17-21, 2021.*
- **IEEE PerCom 2021:** *The 19th IEEE International Conference on Pervasive Computing and Communications, Kassel, Germany, MARCH 22-26, 2021.*
- **CoMoRea 2021:** *International Workshop on Context and Activity Modeling and Recognition, associated with the 19th Annual IEEE PerCom in Kassel, Germany, March 22-26, 2021.*
- **PerHealth 2021:** *The 6th International Workshop on Pervasive Health Technologies, associated with the 19th Annual IEEE PerCom in Kassel, Germany, March 22-26, 2021.*
- **MPAT 2021:** *1st Workshop on Mobile and Pervasive Assistive Technologies, associated with the 19th Annual IEEE PerCom in Kassel, Germany, March 22-26, 2021.*
- **IEEE UIC 2020:** *The 17th IEEE International Conference on Ubiquitous Intelligence and Computing, Melbourne, Australia, DECEMBER 8-10, 2020.*
- **IEEE PerCom 2020:** *The 18th IEEE International Conference on Pervasive Computing and Communications, Austin, Texas, USA, MARCH 23-27, 2020.*
- **CoMoRea 2020:** *International Workshop on Context and Activity Modeling and Recognition, associated with the 18th Annual IEEE PerCom in Austin, Texas, USA, March 23-27, 2020.*
- **UIC 2019:** *The 16th IEEE International Conference on Ubiquitous Intelligence and Computing, Leicester, UK, August 19-23, 2019.*
- **SAC 2019 (Digital Life for Human Well-being track):** *The 34th ACM Symposium On Applied Computing in Limassol, Cyprus, April 8-12, 2019.*
- **CoMoRea 2019:** *International Workshop on Context and Activity Modeling and Recognition, associated with the 17th Annual IEEE PerCom in Kyoto, Japan, March 11-15, 2019.*
- **CoMoRea 2018:** *International Workshop on Context and Activity Modeling and Recognition, associated with the 16th Annual IEEE PerCom in Athens, Greece, March 19-23, 2018.*

## Editorial activities

- **Guest Editor:** Special issue "Sensor-based Human Activity Recognition for Real-world Scenarios", *Applied Sciences*, 2021.
- **Proceedings co-editor:** *Wireless Mobile Communication and Healthcare, 9th EAI International Conference, MobiHealth 2020, Virtual Event, November 19, 2020, Proceedings.*

## Reviewers activities

He reviewed papers for several prestigious conferences and journals, including: ACM Transactions on Intelligent Systems and Technology, ACM Transactions on Spatial Algorithms and Systems, ACM Transactions on Internet Technology, PLOS-ONE journal, IEEE Access, Pervasive and Mobile Computing Journal, Journal of Ambient Intelligence and Smart Environments, Mobile and Informative Systems Journal, IEEE PerCom, EAI Ubiquitous, IEEE MDM, ACM/SIGAPP SAC, TIME International Symposium on Temporal Representation and Reasoning.

## Didactics

### 1) Academic year 2021/2021:

- Teacher for the laboratory module of Programming at the Dept. of Computer Science at Università degli Studi di Milano. Basics of Go language. **44 hours.**
- Teacher for the Ph.D. course titled "*AI Methods for Sensor-Based Activity Recognition and Context-Awareness*". Ph.D. School in Computer Science at the università degli studi di Milano. **8 hours.**

### 1) Academic year 2020/2021:

- Lecturer for the "*Computer science*" crash course for the Dept. of Economy, Management and Quantitative Methods at Università degli Studi di Milano. Basics of databases, networking, algorithms, and Python programming. **30 hours.**

### 1) Academic year 2018/2019:

Contract professor of "*Competenze informatiche per la medicina*" (Computer science competencies for medicine) at Faculty of Medicine and Surgery, Università degli Studi di Milano, Milan, Italy. Course topics: computer sciences competencies, spreadsheets, internet & web, and databases. **18 hours.**

### 2) Academic year 2017/2018:

Contract professor of "*Laboratorio di Informatica*" (Computer science laboratory) at the Dept. of Political, Economic and Social Sciences, Università degli Studi di Milano, Milan, Italy. Course topics: spreadsheets, internet & web. **80 hours.**

### 3) Academic years 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019:

He is part of the exam committee for the course "*Sistemi Distribuiti e Pervasivi*" (Distributed and Pervasive Systems) at M.Sc. Computer Science course, Dept. of Computer Science, Università degli Studi di Milano, (Milan, Italy) as "cultore della materia" (expert in the subject). On the same course, he also acted as a lecturer (Italian Art.45) for a series of lab lessons on Java concurrent and distributed programming. **30 hours for each academic year** (overall 150 hours). Students' didactic evaluation showed his high teaching competence regarding lab lessons.

### 4) Academic years 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020:

He acted as lecturer (Italian Art.45) for the course “*Basi di Dati e Web*” (Databases and Web) at B.Sc Computer Science for Digital Communication, Dept. of Computer Science, Università degli Studi di Milano (Milan, Italy) for a series of lessons on E/R modeling, relational algebra and SQL. **10 hours for each academic year** (overall 50 hours).

## Service activities

- **[2018 - 2021] - Postdoc Representative** at Departmental Council (Dept. of Computer Science, Università degli Studi di Milano, Milan, Italy).
- **[2015 - 2018] - PhD student representative** at PhD Faculty (Dept. of Computer Science, Università degli Studi di Milano).

## Training activities

- **[December 2015]** Winter school “Winter Academy on Internet of Things” organized by Università degli Studi di Milano, Milan, Italy. He positively passed the school’s final exam.
- **[July 2016]** - Summer school “Lipari School on Computational Complex and Social Systems”. He positively passed the school’s final exam.

## Talks

### 1) Invited talk:

- Gabriele Civitarese, "Human Activity Recognition in Smart-Home Environments for Health-Care Applications". Invited keynote at the 15th IEEE Workshop on Context Modeling and Recognition (CoMoRea '19). IEEE Computer Society, 2019.

### 2) Conference talks:

- IEEE PerCom, Pisa, Italy, March 2022.
- CoMoRea: International Workshop on Context and Activity Modeling and Recognition, Kassel, Germany, 2021.
- I-CiTiEs 2020 - 6th Italian Conference on ICT for Smart Cities & Communities, Italy, September 2020.
- IEEE MDM, Versailles, France, 2020.
- CoMoRea: the 18th International Workshop on Context and Activity Modeling and Recognition, March 2020.
- IEEE PerCom, Kyoto, Japan, March 2019.
- IEEE PerCom, Athens, Greece, March 2018.
- I-CiTiEs 2017 - 3rd Italian Conference on ICT for Smart Cities & Communities, Bari, Italy, September 2017.
- Second IEEE PerCom Workshop on Pervasive Health Technologies, Kailua-Kona, Hawaii, USA, March 2017.
- ACM UbiComp, Heidelberg, Germany, September 2016.
- 4th International Workshop on Human Activity Sensing Corpus and Application, Heidelberg, Germany, September 2016.
- SmartE'15: The 2nd international workshop on smart environments, St. Louis, Missouri, USA, September 2015.
- NetMob: The main conference on the scientific analysis of mobile phone datasets, Vodafone Theatre, Milan, Italy, April 2017.
- IEEE PerCom, St. Louis, Missouri, USA, 2015.

### 3) Poster:

- NetMob: The main conference on the scientific analysis of mobile phone datasets, Vodafone Theatre, Milan, Italy, April 2017.
- IEEE PerCom PhD Forum, Kailua-Kona, Hawaii, USA, March 2017.

#### 4) Demo:

- ACM UbiComp, London, United Kingdom, 2019.
- IEEE PerCom Demo, St. Louis, Missouri, USA, 2015.

#### 5) Seminars:

- *Gabriele Civitarese, "Behavioral Monitoring in Smart-Home Environments for Health-Care Applications". Evento "PhD Friday talk" organizzato al Dipartimento di Informatica, Università degli Studi di Milano, 9 giugno 2017.*

He also presented his PhD results at the PhD Forum held at the IEEE PerCom conference, Kailua-Kona, Hawaii, USA, March 2017.

## Research group coordination activities

Since 2014 he is the technical manager (e.g., devices, servers, web services) at the research group EveryWare Lab (Università degli studi di Milano, Milan, Italy) supervised by prof. Claudio Bettini. He also co-supervises the bachelor/master/PhD students of the lab.

## Advisor/co-advisor Ph.D., M.Sc, and B.Sc thesis activities

He is co-advisor **2 Ph.D. thesis** focused on context-aware activity recognition. He is/was advisor for **7 B.Sc thesis and 2 M.Sc thesis**. He is/was co-advisor for **19 B.Sc thesis and 16 M.Sc thesis**.

## Publications

### 1) Journal papers:

- [1] Riccardo Presotto, Gabriele Civitarese, Claudio Bettini, "Semi-Supervised and Personalized Federated Activity Recognition Based on Active Learning and Label Propagation". Personal and Ubiquitous Computing, Springer, 2022. [SJIR Rating: **Q2** - Impact factor: **3.006**]
- [2] Arrotta, Gabriele Civitarese, Claudio Bettini, "DeXAR: Deep Explainable Sensor-Based Activity Recognition in Smart-Home Environments". Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 2022. [SJIR Rating: **Q2** - Impact factor: **4.16**] (Journal recente associato alla conferenza UbiComp con GGS Rating: **A+**)
- [3] Luca Arrotta, Claudio Bettini, Gabriele Civitarese, "MICAR: Multi-Inhabitant Context-Aware Activity Recognition in Home Environments". Distributed and Parallel Database, Springer, 2022. [SJIR Rating: **Q3** - Impact factor: **1.500**]
- [4] Gabriele Civitarese, Juan Ye, Matteo Zampatti, Claudio Bettini, "Collaborative Activity Recognition with Heterogeneous Activity Sets and Privacy Preferences". Journal of Ambient Intelligence and Smart Environments, IOS Press, 2021. (DOI: 10.3233/AIS-210018). [SJIR Rating: **Q2** - Impact factor: **2.105**]
- [5] Claudio Bettini, Gabriele Civitarese, Davide Giancane, Riccardo Presotto, "ProCAVIAR: Hybrid Data-Driven and Probabilistic Knowledge-Based Activity Recognition". IEEE Access, IEEE, 2020. [SJIR Rating: **Q1** - Impact factor: **3.745**]

- [6] Claudio Bettini, Gabriele Civitarese, Riccardo Presotto, "CAVIAR: Context-driven Active and Incremental Activity Recognition". Knowledge-Based Systems, Elsevier, 2020. [SJR Rating: **Q1** - Impact factor: **5.101**]
- [7] Sergio Mascetti, Gabriele Civitarese, Omar El Malak, Claudio Bettini, "SmartWheels: Detecting Urban Features for Wheelchair Users' Navigation". Pervasive and Mobile Computing, Elsevier, 2020. [SJR Rating: **Q1** - Impact factor: **2.769**]
- [8] Gabriele Civitarese, Timo Sztyler, Daniele Riboni, Claudio Bettini, Heiner Stuckenschmidt, "POLARIS: Probabilistic and Ontological Activity Recognition in Smart-homes". IEEE Transactions on Knowledge and Data Engineering, 2019. [SJR Rating: **Q1** - Impact factor: **3.857**]
- [9] Gabriele Civitarese, Claudio Bettini, Timo Sztyler, Daniele Riboni, Heiner Stuckenschmidt, "newNECTAR: Collaborative Active Learning for Knowledge-Based Probabilistic Activity Recognition". Pervasive and Mobile Computing, Elsevier, 2019. [SJR Rating: **Q1** - Impact factor: **2.769**]
- [10] Daniele Riboni, Claudio Bettini, Gabriele Civitarese, Zaffar Haider Janjua, Rim Helaoui, "SmartFABER: Recognizing Fine-grained Abnormal Behaviors for Early Detection of Mild Cognitive Impairment". Artificial Intelligence in Medicine, Elsevier, 2016. [SJR Rating: **Q1** - Impact factor: **3.574**]

## 2) Conference papers:

- [11] Luca Arrotta, Gabriele Civitarese, Michele Fiori, Claudio Bettini, "Explaining Human Activities Instances Using Deep Learning Classifiers ". In 2022 IEEE International Conference on Data Science and Advanced Analytics (DSAA), 2022, to appear. [GGS Rating: **A**]
- [12] Luca Arrotta, Gabriele Civitarese, Claudio Bettini, "Knowledge Infusion for Context-Aware Sensor-Based Human Activity Recognition". In 2022 IEEE International Conference on Smart Computing (SMARTCOMP), 2022.
- [13] Riccardo Presotto, Gabriele Civitarese, Claudio Bettini, "FedCLAR: Federated Clustering for Personalized Sensor-Based Human Activity Recognition". In Proceedings of the 2022 IEEE International Conference on Pervasive Computing and Communications (PerCom), 2022. [GGS Rating: **A+**]
- [14] Luca Arrotta, Claudio Bettini, Gabriele Civitarese, "The MARBLE dataset: Multi-Inhabitant Activities of Daily Living combining Wearable and Environmental Sensors Data". In Proceedings of the 18th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous), EAI, 2021. [GGS Rating: **B**]
- [15] Luca Arrotta, Claudio Bettini, Gabriele Civitarese, Riccardo Presotto, "Context-Aware Data Association for Multi-Inhabitant Sensor-Based Activity Recognition". In Proceedings. of the 21st International Conference on Mobile Data Management (MDM), IEEE Computer Society, 2020. [GGS Rating: **B-**]
- [16] Gabriele Civitarese, Sergio Mascetti, Alberto Butifar, Claudio Bettini, "Automatic Detection of Urban Features from Wheelchair Users' Movements". In Proceedings of the 2019 IEEE International Conference on Pervasive Computing and Communications (PerCom), 2019. [GGS Rating: **A+**]
- [17] Gabriele Civitarese, Claudio Bettini, Timo Sztyler, Daniele Riboni, Heiner Stuckenschmidt, "NECTAR: Knowledge-based Collaborative Active Learning for Activity Recognition". In Proceedings of the 2018 IEEE International Conference on Pervasive Computing and Communications (PerCom), 2018. [GGS Rating: **A+**]
- [18] Daniele Riboni, Timo Sztyler, Gabriele Civitarese, Heiner Stuckenschmidt, "Unsupervised Recognition of Interleaved Activities of Daily Living through Ontological and Probabilistic Reasoning". UbiComp '16: Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, 2016. [GGS Rating: **A+**]
- [19] Daniele Riboni, Claudio Bettini, Gabriele Civitarese, Zaffar Haider Janjua, Rim Helaoui, "Fine-grained Recognition of Abnormal Behaviors for Early Detection of Mild Cognitive Impairment". In Proceedings of the 2015 IEEE International Conference on Pervasive Computing and Communications (PerCom), pp. 149-154, Computer Society, 2015. [GGS Rating: **A+**]

## 3) International workshops papers:

- [20] Riccardo Presotto, Gabriele Civitarese, Claudio Bettini. "Preliminary Results on Sensitive Data Leakage in Federated Human Activity Recognition". In Proceedings of the 2022 IEEE International Conference on Pervasive Computing and Communications Workshops, 2022
- [21] Claudio Bettini, Gabriele Civitarese, Michele Fiori. "Explainable Activity Recognition over Interpretable Models". In Proceedings of the 2021 IEEE International Conference on Pervasive Computing and Communications Workshops, 2021.
- [22] Claudio Bettini, Gabriele Civitarese. "Towards Active Learning Interfaces for Multi-Inhabitant Activity Recognition". In Proceedings of the 2020 IEEE International Conference on Pervasive Computing and Communications Workshops, 2020.
- [23] Gabriele Civitarese, Riccardo Presotto, Claudio Bettini. "Hybrid Data-Driven and Context-Aware Activity Recognition with Mobile Devices". Adjunct Proceedings of the 2019 ACM International Joint Conference on Pervasive and Ubiquitous Computing and the 2019 International Symposium on Wearable Computers (UbiComp/ISWC '19 Adjunct), 2019.
- [24] Timo Szttyler, Gabriele Civitarese, Heiner Stuckenschmidt. "Modeling and Reasoning with ProbLog: An Application in Recognizing Complex Activities". In Proceedings of the 2018 IEEE International Conference on Pervasive Computing and Communications Workshops, 2018.
- [25] Gabriele Civitarese. "Behavioral Monitoring in Smart-Home Environments for Health-Care Applications". In Proceedings of the 2017 IEEE International Conference on Pervasive Computing and Communications Workshops, 2017.
- [26] Gabriele Civitarese, Claudio Bettini. "Monitoring Objects Manipulations to Detect Abnormal Behaviors". In Proceedings of the 2017 IEEE International Conference on Pervasive Computing and Communications Workshops, 2017.
- [27] Gabriele Civitarese, Stefano Belfiore, Claudio Bettini. "Let the objects tell what you are doing". UbiComp '16: Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct, 2016.
- [28] Daniele Riboni, Gabriele Civitarese, Claudio Bettini. Analysis of Long-term Abnormal Behaviors for Early Detection of Cognitive Decline. In Proceedings of the IEEE International Conference on Pervasive Computing and Communications Workshops (PASTA2016: Workshop on Pervasive Technologies and care systems for sustainable Aging-in-place), IEEE, 2016.
- [29] Daniele Riboni, Claudio Bettini, Gabriele Civitarese, Zaffar Haider Janjua, Viola Bulgari, "From Lab to Life: Fine-grained Behavior Monitoring in the Elderly's Home". In Proceedings of the 2015 IEEE International Conference on Pervasive Computing and Communications Workshops, pp. 344-349. IEEE Computer Society, 2015.
- [30] Gabriele Civitarese, Zaffar Haider Janjua, Daniele Riboni, Claudio Bettini, "Demonstration of the FABER System for Fine-grained Recognition of Abnormal Behaviors". In Proceedings of the 2015 IEEE International Conference on Pervasive Computing and Communications Workshops, pp. 199-201. IEEE Computer Society, 2015.
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Date

02/11/2022

Place

Milano

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