

ABOUT ME

I am Mattia Campana, I was born on 7th April 1987 in Milano (Italy). I received a M.S. degree in Computer Science from the University of Milan in 2015. Then, I moved in Pisa (Italy) to start the Ph.D. program in Computer Engineering at the University of Pisa in collaboration with the Institute for Informatics and Telematics of the National Research Council of Italy (IIT-CNR).

Currently, I am a Ph.D. Candidate, and my research activity is related to the study and application of Contextaware Recommender Systems to optimize the data dissemination and content discovery in Opportunistic Networks and Mobile Social Networks.

CONTACTS

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Mattia_Campana



mattiacampana



campana.mattia



github.com/matbell

LANGUAGE SKILLS

Italian

Native language

English

Reading Writing Listening Speaking



MATTIA CAMPANA

Computer Scientist, Researcher, Developer

WORK EXPERIENCE

2015 (Researcher

Intitute for Informatics and Telematics of the National Research Council of Italy (IIT-CNR), Pisa (Italy).

2013 Freelance Mobile Developer

Android and iOS Developer.

2007 O Developer

Sidoti & Tartaglia S.r.l., Segrate, Milano (Italy)

EDUCATION

now Ph.D. in Computer Engineering

Ph.D. candidate in Computer Engineering at the University of Pisa (Italy) in collaboration with the Institute of Informatics and Telematics of the National Research Council of Italy (IIT-CNR).

2015

Master Degree in Computer Science

University of Milan (Italy). Thesis: "Context reasoning algorithms for mobile devices" (Italian only).

2011 O Bachelor Degree in Computer Science

University of Milan (Italy). Thesis: "Security analysis of the Android operating system" (Italian only).

PUBLICATIONS

International Scientific Journals

M. Campana, F. Delmastro, Recommender Systems for Online and Mobile Social Networks: A survey. Online Social Networks and Media, Elsevier, 2017

V. Arnaboldi, M. Campana, F. Delmastro, A personalized recommender system for pervasive social networks. Pervasive and Mobile Computing, Elsevier, 2017

TECHNICAL SKILLS Programming Languages / Scripting Java Python Objective-C С PHP **HTML CSS XML** Bash **Databases** SQL MySQL PostgreSQL Oracle **PostGIS** NoSQL

Developing Tools / Frameworks

Jersey G. App Engine G. Cloud Endpoints Apache Maven Git **UML** Design Patterns

Operating Systems

GNU/Linux macOS Windows

RESEARCH INTERESTS



A special kind of self-forming and delay tolerant networks for mobile devices.



MACHINE LEARNING AND RECOMMENDER SYSTEMS

Model users' behaviors and preferences to create proactive services.



MOBILE SOCIAL NETWORKS

Study user social relationships to optimize data dissemination among mobile nodes.

International Scientific Conferences

M. Campana, D. Chatzopoulos, F. Delmastro, P. Hui, Lightweight Modeling of User Context Combining Physical and Virtual Sensor Data. ACM UbiComp/ISWC'18 Adjunct, 2018, Singapore.

V. Arnaboldi, M. Campana, F. Delmastro, Context-Aware Configuration and Management of WiFi Direct Groups for Real Opportunistic Networks. IEEE MASS 2017, Orlando, Florida, USA.

M. Campana, F. Delmastro, R. Bruno, A machine-learned ranking algorithm for dynamic and personalised car pooling services. IEEE ITSC 2017, Rio de Janeiro, Brazil.

V. Arnaboldi, M. Campana, F. Delmastro, PLIERS: a popularitybased recommender system for content dissemination in online social networks. ACM SAC 2016, Pisa, Italy.

PROJECTS

2017 OcontextKit (CK)

A development framework written in Java, designed for large-scale sensing experiments with Android devices. It supports multiple sensors such as Location, Motion, and Proximity (using both Bluetooth and Wi-Fi Direct). CK provides also some functionalities that can be used to characterize the users' behavior and interests, such as the apps usage statistics, activity recognition, calls and messaging logs.

contextkit.github.io

2016 OGoTogether

A car pooling application in which users can offer their own car to share specific trips or search for rides and become passengers. The app provides recommendations tailored to the user's profile, her preferences, needs and her behavior while using the application. It has been originally designed for users of the research area of CNR in Pisa in the framework of SMART AREA project.

Developed components: RESTful webservice, and Android application.

it.cnr.iit.smartmobility

2014

HugMe App

A dating application developed for HugMe LLC company.

Developed components: RESTful webservice, iOS and Android applications.

hugmeapplication.com

2013 (Woof

A social network dedicated to dog owners.

Developed components: RESTful webservice, iOS and Android applications.

everywarelab.di.unimi.it/mobidev/129

ACADEMIC SERVICES

Reviewer for:

• IFIP Networking 2018 (Conference)

Elsevier Online Social Network and

Media (Journal)

(see Attached 4)

Publicity Chair for:

• IFIP IoP-W 2016: First IFIP Internet of People Workshop co-located with IFIP Networking 2016 (Conference)

(see http://cnd.iit.cnr.it/iopw2016)

RESEARCH PROJECTS

Since 2015 I am involved in the following research projects (see Attached 1):

• Intesa (Regione Toscana)

www.progetto-intesa.it

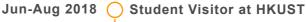
GAMEBUS (EU Project)

www.gamebus.eu

CAPP (Registro.it)

www.nic.it/en/registrys-projects/capp

INTERNSHIPS & SUMMER SCHOOLS



During the summer period of 2018 I was visiting the System and Media Laboratory (SyMLab) at the Hong Kong University of Science and Technology (HKUST) to work with Dr. Dimitris Chatzopoulos and Prof. Pan Hui.

(see Attached 2)

Aug 2018 O Summer School

I attended the ACM SIGCHI Summer School on Recommender Systems organized and hosted by the Faculty of Computer Science of the Free University of Bozen-Bolzano (Italy), in August 2018.

(see Attached 3)



Consiglio Nazionale delle Ricerche

Istituto di Informatica e Telematica

La presente dichiarazione non può essere prodotta agli organi della Pubblica amministrazione o ai privati gestori di pubblici servizi ai sensi del'art. 15 della Legge di stabilità 2012 (n. 183 del 12 novembre 2011).

Pisa, 4 Settembre 2018

CNR - IIT
U 0009004 05/09/2018

In qualità di

- Responsabile delle attività scientifiche di IIT-CNR all'interno dei progetti:
 - o "CAPP: Collective Awareness Participatory Platform", progetto finanziato da Registro.it all'interno dell'iniziativa "Progetti speciali del registro",
 - o progetto Europeo EIT Digital "GameBus: Social health games" 2015-2016 (Action Line "Health and well-being"),
 - o progetto "SocializeME, un progetto di cooperazione tra enti di ricerca e scuole superiori", finanziato dalla Fondazione cassa di Risparmio di Lucca nell'ambito del Bando Ricerca 2016-2017,
 - o progetto regionale FAR-FAS 2014 "INTESA: Servizi Ict iNTegrati per il bEnessere di Soggetti frAgili",

dichiaro che

il Dott. Mattia G. Campana è stato membro della Unità Operativa IIT-CNR dei progetti sopra elencati ed in particolare:

- ha partecipato attivamente alle attività della Unità Operativa CNR del progetto CAPP nell'ambito del Work Package 3 "Design and Development of Collective Awareness Middleware Platform",
- ha partecipato attivamente alle attività della Unità Operativa CNR del progetto EIT Digital GameBus nell'ambito dei task A1504 "Maturation of GameBus Component for Social Wellbeing" (2015) e task A1603 "Transfer of Social Sensing Technologies" (2016),
- ha partecipato attivamente alle attività della Unità Operativa IIT-CNR del progetto SocializeME nell'ambito del Work Package 4 "Sperimentazioni e raccolta dati" e Work Package 5 "Analisi dei risultati e loro presentazione",
- ha partecipato attivamente alle attività della Unità Operativa IIT-CNR del progetto INTESA per l'obiettivo operativo 5, attività 5.1 "Servizio di monitoraggio delle interazioni sociali" e 5.4 "Servizi di stimolo all'inclusione sociale".

Franca Delmastro

Ricercatore Istituto di Informatica e Telematica del CNR Via G. Moruzzi, 1 56124 Pisa



計算機科學及工程學系 UNIVERSITY OF SCIENCE | DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

> Prof. Pan Hui CSE Department, HKUST Clear Water Bay Hong Kong Tel: +852 2358 7011 Email: panhui@cse.ust.hk

> > September 4, 2018

TO:

Institute of Informatics and Telematics (IIT) National Research Council of Italy (CNR)

Via G. Moruzzi, 1 56124 Pisa, Italy

FROM: Prof. Pan Hui

SUBJECT: Visiting Scholarship of Mattia G. Campana, June - August 2018

The Ph.D. candidate Mattia G. Campana has been visiting the SyMLab at Hong Kong University of Science and Technology in Hong Kong, in the period from June 1st to August 28th, 2018. I have been his advisor during his visit.

The Ph.D. candidate Mattia G. Campana has been mainly involved in project "Context-Aware Semantic Annotation of Mobility Records".

Mattia showed good abilities in research collaboration, rapidly integrating himself in the research group by exchanging ideas with other students and researchers, and proposing interesting joint activities, in particular with Dimitris Chatzopoulos, one of my PhD students. In only three months of his stay here, his work has contributed to a joint paper accepted at CPD UBICOMP workshop in October 2018, and to further extensions of the research activity.

Sincerely,

CNR - IIT

E 0009005

05/09/2018

Pan Hu Ph.D.

IEEE Fellow, ACM Distinguished Scientist Director, HKUST-DT Systems and Media Laboratory (SyMLab), HKUST, Hong Kong Nokia Chair Professor in Data Science, University of Helsinki, Finland



CERTIFICATE OF ATTENDANCE

This document certifies that

MATTIA GIOVANNI CAMPANA

has attended the

ACM SIGCHI Summer School on Recommender Systems

Deep Learning for RS [B. Hidasi]

Matrix and Tensor Factorization (P. Symeonidis)

Affect and Personality-Based RS (M. Tkalcic)

Evaluation of RS research (G. Shani)

UX and Recommender Systems [S. Berkovsky & B. Knijnenburg)

Group RS [J.Masthoff)

Scalable RS in Industry (X. Amatriain)

Recent Developments of Content-Based RS (G. Semeraro, M. de Gemmis, P. Lops, C. Musto & F. Narduccil

Tools and Replication of RS Research (A.Said & A. Bellogín)

organised and hosted by the Faculty of Computer Science

Free University of Bozen-Bolzano, Italy

21st — 25th August, 2017 (38 hours)

25th August, 2017 Bozen-Bolzano Markus Zanker





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Istituto di Informatica e Telematica

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Pisa, 4 Settembre 2018

In qualità di

- Program Committee Member per la conferenza IFIP Networking 2018
- Associate Editor-in-Chief per il journal Elsevier Online Social Networks and Media (OSNEM)

dichiaro

di aver assegnato al Dr. Mattia Campana il compito di revisionare i seguenti articoli scientifici:

- "A Novel Similarity Strategy Based on Latent Factor for Collaborative Recommendation" per la conferenza IFIP Networking 2018
- "Decision making strategy for detecting authenticated recommendations and reducing volumes of data in online shopping sites" per il journal Elsevier Online Social Networks and Media (OSNEM).

Il Dr. Mattia Campana ha effettuato revisioni dettagliate e di qualità, svolgendo i compiti di revisore che gli ho assegnato con puntualità, precisione e professionalità.

MEG.

Andrea Passarella Ricercatore Istituto di Informatica e Telematica del CNR Via G. Moruzzi, 1 56124 Pisa CNR - IIT U 0009003 05/09/2018