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DIPARTIMENTO DI STATISTICA,
INFORMATICA, APPLICAZIONI
"GIUSEPPE PARENTI"

PROSSIMO SEMINARIO

LAURA RICCI & DAMIANO DI FRANCESCO MAESA

DIPARTIMENTO DI INFORMATICA, UNIVERSITÀ DI PISA

6 Aprile 2022 ore 14.30, Aula 205 (ex32), Viale Morgagni 59[†] e Online*

BLOCKCHAIN: WHAT IT IS AND WHY IT MATTERS

Abstract A blockchain protocol is employed to implement a tamper-free distributed ledger that stores transactions created by the nodes of a P2P network and agreed upon through a distributed consensus algorithm, avoiding the need for a central authority. Blockchain technology has a great potential to radically change our socio-economical systems by guaranteeing secure transactions between untrusted entities, reducing their cost, and simplifying many processes. Such technology is going to be exploited in many areas like IoT, social networking, health care, electronic voting and so on. This talk will introduce the basic principles of this new, disruptive technology, highlighting a set of "killer applications". We will also show the innovative potential for research in such a field, showing results on the study of blockchain transaction graphs to characterize users' behaviors.

Short Bio of Laura Ricci Laura Ricci received the Ph.D. degree from the University of Pisa and she is currently an Associate Professor with the Department of Computer Science, University of Pisa. She has been a member of the group for the definition of the Italian national strategy on blockchains. She has been the local coordinator, for the University of Pisa, of the H2020 European Project—Helios: A Content Aware Distributed Networking Framework. Her research interests include distributed systems, peer-to-peer networks, cryptocurrencies, blockchains, and social networks analysis. She has coauthored more than 150 articles published on international journals and conference/workshop proceedings in these fields. She has served as Program Committee Member and as chair for several conferences and she is member of the editorial team of international journals on blockchain technology.

Short Bio of Damiano di Francesco Maesa Damiano Di Francesco Maesa is an Assistant professor at the department of computer science of the University of Pisa, Italy and College Research Associate at Clare College of the university of Cambridge, UK. His past positions include Research Associate at the Innovation and Intellectual Property Management Laboratory at the University of Cambridge, Research Associate at the Computer Lab of the University of Cambridge, Research Associate at King's college London, and Research Assistant at the National Research Institute in Pisa, Italy. He has a PhD in Computer Science from the University of Pisa and specializes in the analysis and study of novel applications of blockchain and Distributed Ledger Technologies (DLT). Beside his academic contributions, he has held several guest lectures, seminars, and workshops to spread awareness on blockchain technology.

Referente: Andrea Marino

Tutti gli interessati sono cordialmente invitati a partecipare

Ulteriori informazioni al link: <http://local.disia.unifi.it/seminari.php>

[†] Per partecipare in presenza è necessario iscriversi al link:
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