SEMINARIO
“Blockchains: a primer”
27 febbraio 2018
viale delle Scienze
Aula Capitò - Edificio 7

9h00 Registrazione

9h15 M. Carta - Presidente della Scuola Politecnica dell’Università di Palermo
Saluto ed introduzione

9h30 G. Bianchi - Professore Ordinario di Telecomunicazioni – Scuola di Ingegneria - Università di Roma Tor Vergata
Introduction and basic notions about blockchains – Part I

10h30 Pausa

11h00 G. Bianchi - Professore Ordinario di Telecomunicazioni – Scuola di Ingegneria - Università di Roma Tor Vergata
Specific issues about consensus and scripting – Part II

12.00 P. Gallo - Professore Aggregato di Telecomunicazioni presso il Dipartimento di Energia, Ingegneria dell’informazione e modelli Matematici, DEIM, dell’Università di Palermo
The energy blockchain and other e-commerce applications.

12h45 Discussion

13h30 E. Riva Sanseverino - Delegato alla Carta Europea dei ricercatori e codice di condotta per la loro assunzione
Chiusura dei lavori

Abstract: Today, the keyword blockchain can be found everywhere. Someone even consider it a must-have in incoming project proposals, to improve their success chances. Indeed, Blockchains are mentioned in relation to a myriad of different applications, including but not limiting to crypto currencies, IoT smart contracts, digital identity, distributed cloud storage, and also... coffee (see e.g. [*]). When we made an effort, during the last couple of years, to understand what this technology is worth for, we faced several difficulties. Many papers, web sources, and even self-nominated experts we talked to, provided very different, often partial and contradictory, views. Motivated by our painful learning experience, and with no pretense at all to claim expertise, goal of this seminar is to try to save
some time to newcomers. We will specifically attempt to clear some fog around such buzzword, by
discussing what a blockchain is and which (significantly!) different types of blockchain may be
considered, when blockchains are useful and when they are NOT (!), why (and how) blockchains relate
to smart contracts, which concrete platforms are around, and what are the major research and
deployment challenges and open issues.

The seminar will be held in Italian and teaching material will be prepared in English