

BitGeneration

BitPolito

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Abstract

BitGeneration is the first experiment in Italy of peer-to-peer training to educate about Bitcoin protocol made by students for students.

30 students from Liceo Alfieri in Turin, 15 students from SAA (School of Management) in Turin, 30 hours of top-notch training held by BitPolito members and great professionals in the field within the Politecnico di Torino.

Introduction

BitGeneration was created with the aim of introducing high school and university students to the Bitcoin protocol, both from a theoretical and practical point of view, so as to offer an overview of the technology and stimulate them to delve into the aspects they are most passionate about.

The course will be taught by students enrolled in the BitPolito student team and great professionals in the field such as Giacomo Zucco, Riccardo Masutti, Riccardo Giorgio Frega, Alekos Filini, and Daniela Brozzoni. All teachers were chosen on the basis of their expertise with the aim of providing 30 hours of training at the highest level.

The entire course will be video recorded and later published online.

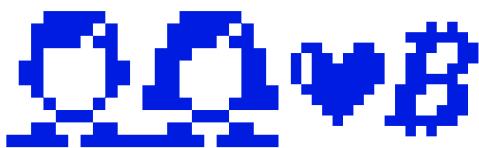
The project will be held entirely in the spaces of the Politecnico di Torino, the home of BitPolito and a place of science where students can get their bearings and learn about the world of engineering studies.

⚠ Speculation, investment and trading are not the subject of this course.

Technology will be discussed here. The only nods from an economic point of view will be made with the aim of showing Bitcoin as a tool for financial freedom.

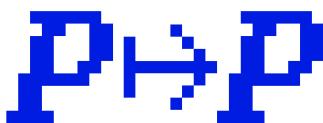
Goals

1



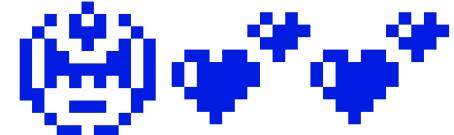
Introducing new people to the Bitcoin protocol

2



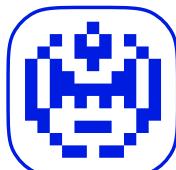
Activate a virtuous mechanism of peer-to-peer, student-to-student education that can be repeated in other universities in Italy and around the world

3



Introduce high school students inside the Politecnico di Torino so that they can get to know it and, why not, one day sign up and actively participate in BitPolito activities

Sponsors



polito.it
 [@bitpolito](https://twitter.com/bitpolito)

Our first partner is, of course, the Polytechnic University of Turin, which finances the project, arranges the classrooms and actively supports the student team that organized "BitGeneration"



conio.com
 [@conio](https://twitter.com/conio)

An Italian company that has been active in the industry for years, providing services for the purchase, exchange and storage of Bitcoin. Thanks to its help we were able to fully fund the BitGeneration project



shiftcrypto.ch
 [@shiftcryptohq](https://twitter.com/shiftcryptohq)

Swiss company producing one of the best Hardware Wallets on the market donated us 6 Hardware wallets to use in teaching with students

Partners & Media

Bitcoin Italia Podcast

The BipShow is the first Italian Podcast entirely centered on Bitcoin. Hosted by Riccardo Giorgio Frega (Rikki) and Guybrush.

-  bitcoinaltiapodcast.it
-  [@bip_show](https://twitter.com/bip_show)

Bitcoin Train

Newsletter for understanding Bitcoin from current events

-  bitcointrain.substack.com
-  [@federico_rivi](https://twitter.com/federico_rivi)

AliceLab

A cypherpunk collective committed to spreading bitcoin and training new bitcoiners, will work to expand the project to other institutions in the months to come

-  *****
-  @*****

Speakers

Daniela Brozzoni e Alekos Filini

Bitcoin developers and maintainers of BitcoinDev Kit

 @danielabrozzoni

 @afilini

Riccardo Giorgio Frega

Popularizer and speaker for the "Bitcoin Italia Podcast", Bitcoin explorer

 @rikki6ixx

Riccardo Masutti

Bitcoin popularizer, security and privacy, cybersecurity

 @riccardomasutti

Giacomo Zucco

Bitcoin protocol experts, speaker and consultant

 @giacomozucco

Andrea Gangemi

Doctoral candidate in pure and applied mathematics, his research topic is the design of cryptographic algorithms

 @gangi1994

Walter Maffione

Computer engineer, working in artificial intelligence, studies and research on Lightning Network

 @waltermaffy

Giorgio Rasetto

Co-founder of BitPolito, software engineer, bitcoiner

 @giorgiorase

Salvatoshi

Co-founder of BitPolito, software engineer, works in the field of cybersecurity, bitcoiner

 @ssalvatoshi

Gabriele Vernetti

Co-founder of BitPolito, research and development in mining, Stratum V2 contributor

 @gitgab19

Schedule

31.01  Giacomo Zucco

Economy & Society

02.02  Rikki (Bitcoin Italia Podcast) & A. Gangemi

Financial Inclusion & Cryptography Bases

07.02  Giorgio Rasetto

Informatic Bases

09.02  Salvatoshi

Game Theory

14.02  Walter Maffione

Scaling Bitcoin

16.02  Alekos Filini & Daniela Brozzoni

Practice. Where to Start: Seed & Wallet

23.02

Practice: Run Your Node

28.02  Riccardo Masutti

Explore the timechain

02.03  Gabriele Vernetti

Mining Bitcoin

07.03

Use case, final valutation test

Certification

The acquired skills expected of the students at the end of the course are:

Understanding of the economic principles that led to the birth of Bitcoin

- of the principles of our economic system**
- of how a distributed system works**
- of what an open source project is**
- of how a blockchain architecture works**
- of basic principles of game theory**
- of the storage methodologies of a seed phrase**
- of the methodologies of installing a full node**
- of the technologies required for Bitcoin mining**

Skill in using a hardware wallet in exploring timechain

These skills will be ascertained by the course instructors, and a certification and PCTO evaluation will be given concurrently with the verification of these skills

