



## "سخنرانی های علمی"

پژوهشگاه دانشهای بنیادی  
پژوهشکده علوم کامپیوتر

### Application of blockchain technology in education

شراره علی پور

پژوهشگر پسادکتر در پژوهشگاه دانشهای بنیادی (IPM)

#### Abstract

Blockchain technology was first introduced by a person (or group of people) using the name Satoshi Nakamoto in 2008. In his famous "white paper", Nakamoto introduced a decentralized transaction ledger of the cryptocurrency Bitcoin as the first application of Blockchain. Blockchain is a foundational technology that documents transactions in a decentralized, secure, transparent and immutable way and has a major impact on design and implementation of digital business processes in many application areas such as Internet of things, smart grid, supply chain, finance or notarization. In this talk our focus is on applications in education. We design a Blockchain as a ledger for students' homework and the grades.

#### Biography

Sharareh Alipour is a senior postdoc fellow at Institute for Research in Fundamental Sciences (IPM). She received her PhD in computer science from Sharif university in 2015. Her research interests include theoretical computer science, randomized and approximation algorithm, computational geometry, graphs and combinatorics.

زمان: چهارشنبه ۱۳۹۹/۱۱/۰۸ - ساعت ۱۵:۰۰

ارائه به صورت مجازی انجام خواهد شد.

<https://conf.ipm.ir/b/lot-0ed-uys-360>

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