Sergi Delgado Segura

CONTACT
INFORMATION

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RESEARCH
INTERESTS

Privacy, Bitcoin, Cryptocurrencies, Security, Reputation systems.

EDUCATION

University of Illinois at Urbana-Champaign, Champaign, Illinois, United States of America

Research stay **August 2017 – present**
- Expected termination date: December 2017
- Advisors: Prof. Andrew Miller

Autonomous University of Barcelona, Bellaterra, Barcelona, Spain

Doctor of Philosophy **October 2015 – present**
- Expected graduation date: July 2018
- Advisors: Prof. Jordi Herrara Joancomart and Prof. Guillermo Navarro Arribas

Open University of Catalonia, Barcelona, Spain

Master's Degree in Security of Information and Communication Technologies **September 2014 – July 2015**
Bachelor's degree in Computer Engineering **September 2008 – July 2014**

SELECTED
PUBLICATIONS

Delgado-Segura, S., Pérez-Solà, C., Navarro-Arribas, G, and Herrera-Joancomartí, J. (2017). "A fair protocol for data trading based on Bitcoin transactions", *Future Generation Computer Systems*, 2017, ISSN 0167-739X. http://dx.doi.org/10.1016/j.future.2017.08.021.

Pérez-Solà, C., Delgado-Segura, S., Navarro-Arribas, G. and Herrera-Joancomartí, J. (2017). "Double-spending Prevention for Bitcoin zero-confirmation transactions", *IACR Cryptology ePrint Archive*, 2017, p. 394. https://eprint.iacr.org/2017/394.pdf

Delgado-Segura, S., Pérez-Solà, C., Herrera-Joancomartí, J., and Navarro-Arribas, G. (2016). "Bitcoin Private Key Locked Transactions", *IACR Cryptology ePrint Archive*, 2016, 1184. https://eprint.iacr.org/2016/1184.pdf

Delgado-Segura, S., Tanas, C. and Herrera-Joancomartí, J., (2016). "Reputation and Reward: Two Sides of the Same Bitcoin", *Sensors*, 16(6), p.776.

Tanas, C., Delgado-Segura, S. and Herrera-Joancomartí, J., 2015, September. "An Integrated Reward and Reputation Mechanism for MCS Preserving Users Privacy", In *International Workshop on Data Privacy Management* (pp. 83-99). Springer International Publishing.

PROFESSIONAL
EXPERIENCE

Autonomous University of Barcelona, Bellaterra, Barcelona, Spain

Teaching Assistant **October 2015 – present**
Teaching assistant for undergraduate courses in computer science engineering degree, including computer networks and information security.

Research technician **September 2014 – September 2015**
Research technician for different projects the department was involved in, such as the development of a active Delay Tolerant Network (aDTN), and an Ubiquitous Secure Electronic Voting platform (USev).

System administrator **July 2013 – September 2014**
System administrator of a Master's degree department, giving support to different areas including: Moodle administration, web development (HTML, PHP, JS, CSS), database administration and help desk.

PROGRAMMING

Python, Bitcoin Scripting, LaTeX 2_ε, Java, C, PHP, HTML, SQL, Bash.

GitHub https://github.com/sr-gi

Bitcoin Stack Exchange https://bitcoin.stackexchange.com/users/30668/sr-gi