CV

Steven Platt

Network Researcher; Member IEEE

Website: https://stevenplatt.github.io, Email: steven@ieee.org, San Francisco, California, US

Education

- *PhD. Information and Communications Technologies*, Pompeu Fabra University, Barcelona, Spain, 2018-*2021 (July)*
- *M.S. Wireless Communications*, Barcelona School of Telecommunications and Engineering, Polytechnic University of Catalonia, Barcelona, Spain, 2017-2018
- *MBA. Business Administration*, Illinois State University, Normal, US, 2009-2012
- *B.S. Electronic Systems Technology*, Southern Illinois University at Carbondale, Carbondale, US, 2004-2007

Research Publications

- *"Review of Blockchain for Pandemic Surveillance and COVID-19 Response"*. S Platt, F Della Valle, M Oliver. *Pending*.
- *"Enabling Blockchain Decentralized 5G Service Overlays with the ETSI GANA Model"*. S Platt, M Oliver. *Pending*.
- *"CoNTe: A Core Network Temporal Blockchain for 5G"*. S Platt, L Sanabria-Russo, M Oliver. Sensors 2020, 20, 5281.
- *"Towards Blockchain for Decentralized Self-Organizing Wireless Networks"*. S Platt, M Oliver. IEEE Globecom Workshops (GC Wkshps), 1-5, 2019.
- *"A Distributed Ledger-Enabled Interworking Model for the Wireless Air Interface"*. S Platt, M Oliver. IEEE 5th World Forum on Internet of Things (WF-IoT), 402-407, 2019.
- *"Application Layer Modeling in Vehicle Networks"*. S Platt. M.Sc. Thesis, Barcelona School of Telecommunications and Engineering, Polytechnic University of Catalonia, Barcelona, Spain, 2018.

Industry Experience

Pompeu Fabra University

Higher Education and Research

Research Fellow, Barcelona, Spain, 2018-current

- Research Focus: Congestion Control, Wireless Medium Access Control, Blockchain application in wireless networks.
- Published research at top ranked institutions including MDPI Journal Sensors (SJR Q1), and IEEE GlobeCom.
- Led lecture and/or lab sections for the following undergraduate courses: Radio Communications, Networks, Blockchain Technologies.

Twitter.com

Social Media and Internet

Systems Engineer, San Francisco, US, 2014-2017

- Scaled company SIP telecom network from 2 installations, to 23 locations on 5 continents.
- Reduced voice carrier costs globally 72%.
- Enabled full remote site deployment in 41 countries while reducing site delivery time from 12 weeks to 2.

Salesforce.com

Cloud Computing

Network Engineer, San Francisco, US, 2012-2014

- Principle network deployment engineer; completed network deployment for facilities in the United States, United Kingdom and Australia.
- Global support for Cisco LAN, WAN, Wireless and VPN, Juniper firewall, and F5 Load Balancer systems.

Caterpillar Inc

Heavy Industry and Manufacturing

Information Technology Analyst, Peoria, US, 2007-2012

- Completed platform design of new satellite connected "field view" industrial camera product with pilot deployments in Canada, Czech Republic, and the United States.
- Deployed Cisco IP Phone and HD Telepresence video conference networks to facilities in Australia, China, Singapore, Thailand, and the United States.

Conferences and Workshops

- 3rd Workshop on 5G Technologies for First Responder and Tactical Networks, New York, US, 2020 **(Presenting)**
- Symposium on High Performance Chips, Hot Chips, San jose, California, US, 2020
- IEEE International Conference on Communications, Dublin, Ireland, 2020
- 45th International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Barcelona, Spain, 2020
- ACM International Conference on Information Processing in Sensor Networks (IPSN), Sydney, Australia, 2020
- New RAN Techniques for 5G Ultra-dense Mobile networks, Winter School, Carlos III University of Madrid, Madrid, Spain, 2019
- IEEE Globecom, Workshop on Blockchain in Telecommunications, Hawaii, US, 2019 **(Presenting)**
- IEEE 5th World Forum on the Internet of Things, Limerick, Ireland, 2019 **(Presenting)**
- Hyperledger Global Forum, Basel, Switzerland, 2018
- Enterprise Connect Conference, Orlando, US, 2017 **(Presenting)**
- Twilio Signal Conference, San Francisco, US, 2016 **(Presenting)**

Standards Development

IEEE Standards Association

- **Project Lead**, IEEE P2677.11™ – Standard for Blockchain-based Omnidirectional Pandemic/epidemic Surveillance: Access to Telecommunications Data, 2020-present
- **Voting Memeber**, IEEE P2872™ - Standard for Interoperable and Secure Wireless Local Area Network (WLAN) Infrastructure and Architecture, 2020-present

Awards and Fellowships

- *Plan Nacional Fellowship*, Pompeu Fabra University, Barcelona, Spain, 2018-present
- *Dean's Scholarship*, Southern Illinois University at Carbondale, Carbondale, US, 2004-2007

Certificates

- Data Visualization With Python, *Online Course Offered by IBM*
- Introduction to Satellite Communications, *Online Course Offered by Institut Mines-Télécom*

Technical Skills

Python, Java, C, C++, Linux, Signal Processing, Wireless Communications, Blockchain, Algorithms, Network Protocols, Routing Protocols, Kubernetes, Docker

Languages

- English, *native*
- Spanish, *intermediate*

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