

Kiersten Jowett
RMIT, Blockchain Business Strategy Mentor specializing in proof-of-location protocols

Presentation: Maybe
Panelist: Maybe
Attend as a Guest: Yes
Bring a guest: No

Statement of interest:

I would like to attend your Symposium on Blockchain and Distributed Ledger Technologies for Spatial Information and Analysis Programme on the morning of Tuesday August 28, 2018.

My work is centered on using blockchain protocols to prove the real world location of IoT devices within a digital map.

Right now, IoT devices cannot prove, digitally, where they are. As you would be aware, the current GPS cannot be relied upon for this proof because it is jammable, hackable, spoofable, full of dark zones, takes enormous battery power to localize a device and only provides one-way communication. Several nascent blockchain protocols propose to solve the proof-of-location (PoL) problem. I have been researching, evaluating and experimenting with them in an effort to be able to teach industries and individuals how to implement and run the most effective blockchain PoL protocol. I am specifically interested in the implementation of PoL protocols in agriculture data provenance and for the purposes of assisting non-profit organizations to use their locations as zone authorities in incentivized radio coverage networks.

It is my hope that, with the coupling of blockchain smart contracts and one of these new blockchain proof-of-location protocols, we will be able to deliver greater transparency, trust, efficiencies and value to data and networks. I'd like to analyze these possibilities with others in your symposium.

Finally, I have extensive experience quickly explaining blockchain technology to novice audiences using visual aids and a few simple games. If you require any assistance with this part of the symposium please don't hesitate to reach out.

Thank you for your time and consideration.