

Profile

Dr. P.A. Subrahmanyam (“Subra”) has been a Consulting Professor at Stanford University. He is also engaged in Management/Strategy/Technology consulting for startups, international corporations and investment firms (Venture Capital & Private Equity), and has served in various roles including Founder, Executive Chairman, CEO, CTO and CSO.

His current interests include Blockchain technologies, Cybersecurity, IoT, Big Data, AI/ML & FinTech. He has been instrumental in cross-national initiatives in the areas of Security, Wireless, Networking, Energy & healthcare/bioinformatics.

Dr. Subrahmanyam is a strategic advisor for the Cybersecurity Research Center and the Dean/CSE at NTU (Singapore); he has also been a Faculty collaborator at UC Berkeley and the Berkeley Wireless Research Center. He has earlier been a Fellow at Princeton University, Bell Labs, and held Visiting Professor/Advisory roles at ISI and NTU.

Dr. Subrahmanyam has authored/coauthored over 210 technical papers, 5 books, received numerous awards, and has 14 international awarded/pending patents. He was the Founding Editor-in-Chief of Formal Methods in System Design, a premier journal in its field. He has also presented keynotes, tutorials and colloquia at conferences, universities & research laboratories worldwide.

He is a Fellow of the IEEE.

Abstract

Trends in CyberSecurity:Decentralized Identities & the Trillion Dollar Market? + Introducing a Covid-era Global Virtual Collaboratory

Decentralized identities provide a basis for the next generation of Identity & Access Management systems, and more broadly, for enabling “Trust over IP”.

What are decentralized (self-sovereign) identities? Why are they interesting and important? Why the buzz? What is the history of their evolution? What are the domains in which they can be useful? What are the various standards activities and organizations involved in the development of this topic? What is the current state of art? What are the research issues that need to be addressed?

This talk will provide an answer to these questions and more. We will also comment on how these concepts can be leveraged in the context of a contactless society that Covid-19 has thrust upon us. We hope to engage the audience in a dialog and seed collaborative projects