Call for Papers

The 5th International Workshop on BLockchain Enabled Sustainable Smart Cities (BLESS 2022)

http://bingweb.binghamton.edu/~rxu22/BLESS_2022.html

In Conjunction with

The 31st International Conference on Computer Communication and Networks (ICCCN 2022)

July 25 - July 28, 2022, Waikiki Beach, Honolulu, HI, USA
http://icccn.org/icccn22/index.html

Enabled by the proliferation of the Internet of Things (IoT), edge-fog-cloud computing, and interconnected networks, smart cities are capable of innovative solutions to change the lifestyles of its residents. Unavoidably the potential benefits come along with new challenges and concerns related to information security and privacy. Blockchain technology is a platform that would provide tamper-proof storage for data derived from smart cities and ensure the access to the data is tracked and provided to authorized users. The resultant chain of custody will provide an interoperable platform that would facilitate decisions in smart cities that would impact the communities. The transparency of the platform would provide citizens would go a long way in building trust and ensure that the businesses will held to high standards of accountability.

Scope:

BLESS'2022 will bring researchers and experts together to present and discuss the latest developments and technical solutions concerning various aspects of blockchain technology in the context of smart cities. BLESS'2022 seeks original unpublished papers focusing on theoretical analysis, emerging applications, novel system architecture construction and design, experimental studies, and social impacts of blockchain. Both review/survey papers and technical papers are encouraged. BLESS'2022 also welcomes short papers that summarize speculative breakthroughs, work-in-progress, industry featured projects, open problems, new application challenges, visionary ideas, and preliminary studies.

The topics include but are not limited to:

- Blockchain based cyber physical systems for smart cities
- Blockchain based information hiding/encryption in smart cities
- Blockchain based lightweight algorithms and protocols for IoT
- Blockchain based security and privacy solutions for smart cities
- Blockchain enabled novel applications and services in smart cities
- Smart contract and distributed ledger for smart cities
- Security, privacy and trust of blockchain based decentralized systems
- Blockchain in critical infrastructure resilience (power grid, oil and gas, etc)
- Blockchain for supply chain protection
- Blockchain for networked identity management
- Scalability of Blockchain
- Secure Blockchain based identity management systems
- Interoperable Blockchain systems
- Blockchain infrastructure for public transit management
- Blockchain for social impact
- Blockchain based voting systems for urban and regional planning decisions
- Blockchain for universal data storage

- Keyless signature interfaces

Instructions for Authors:

Submitted manuscripts must be formatted in standard IEEE camera-ready conference format and must be submitted via Easychair (https://easychair.org/conferences/?conf=icccn2022) as PDF files (formatted for 8.5x11-inch paper). The manuscripts should be no longer than **7 pages**. **No extra pages** will be allowed. Submitted papers cannot have been previously published in or be under consideration for publication in another journal or conference. The workshop Program Committee reserves the right to not review papers that either exceed the length specification or have been submitted or published elsewhere. Submissions must include a title, abstract, keywords, author(s), and affiliation(s) with postal and e-mail address(es).

Review and Publication of Manuscripts:

Submitted papers will be reviewed by the workshop Program Committee and judged on originality, technical correctness, relevance, and quality of presentation. An accepted paper must be presented at the ICCCN 2022 venue by one of the authors registered at the full registration rate. Each workshop registration covers up to two workshop papers by an author. Accepted and presented papers will be published in the ICCCN proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. IEEE reserves the right to exclude a paper from distribution after the conference, including IEEE Xplore® Digital Library if the paper is not presented by the author at the conference.

ICCCN 2022 Paper Submission Terms and Conditions:

1. Authors understood that the submission is original and has not been submitted to other venue or under consideration by other venues.
2. Paper titles and/or author names cannot be changed and/or added to the papers once papers are submitted to ICCCN 2022 for review (and in the final camera-ready manuscript if accepted).
3. If the paper is accepted, at least one of the authors must register/pay at full rate and present it in person at the conference. Please check ICCCN conference site for more publication requirements.
4. **The authors of papers that are presented at the BLESS 2022 are invited to submit their extended versions to a Special Issue of the journal Computers with APC Waived.** Submitted papers should be extended with at least 50% extension of new results (e.g., in the form of technical extensions, more in-depth evaluations, or additional use cases, and not exceed 30% copy/paste from conference paper). More information about the Special Issue can be found at https://www.mdpi.com/journal/computers/special_issues/BLESS_2022.

Important Dates:

Paper Submission:	**March 28th, 2022**
Notification of Acceptance:	April 24th, 2022
Camera-Ready Paper due:	May 4th, 2022
Workshop Date:	July 28th, 2022

Please refer to "Author Information" posted at the conference website for more info on paper submission and related rules/policies.

Workshop Co-Chairs

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