

Issue 9 – December 2021

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our future. I believe that the scientific and technical contributions or even the news published in the past issues of our Newsletter partially achieved this goal. Undoubtedly some work remains to be done, but I do hope that the next Chair will be able to safely guide our community into a port where to be unexpectedly human again.

Let me conclude this message wishing you to enjoy in reading this Issue, while having good summer holidays, together with your family and friends,

Sincerely,
Francesco Chiti
Chair of CIS-TC

MESSAGE FROM THE CHAIR

Dear CISTC Members,

I would like to sincerely welcome you to the present issue of CIS-TC Newsletter. This is the last message I am sending to you as Chair of this Committee, and I would like to share with you some considerations. During this couple of years, the restrictions due to the global pandemic compelled all our meetings to be become *virtual* events, as it happened for several aspects of our daily life. The lesson we are learning is that the quality of our work depends on the way we are capable to use technology in a wise and human centered way.

We have been supposed to reshape relationships via a wider and more structured social internetworking. To this purpose, our Committee tried to improve the level of interactive discussion by using this Newsletter as an *open* and *inclusive* platform *in progress* where all the Members of our Community have been welcomed to cooperative contribute to imagine

FEATURED TOPICS

“A Spectrum View of Blockchain Consensus Protocols”

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Abstract— Blockchain technology aims to maintain a consistent ledger which is kept by the nodes of the system in a distributed manner. To achieve this goal, a consensus protocol needs to be employed for the nodes to process the block data and exchange their validation opinions. A variety of consensus protocols have been proposed for different application scenarios. In this article, we propose a framework of categorizing consensus protocols based on the number, role, and selection of nodes to be involved in the validation and ordering procedure.

FORTHCOMING MEETING

The next IEEE ComSoc’s Communication & Information Security TC (CISTC) meeting will be held at IEEE ICC 2022 “Intelligent Connectivity for Smart World”, 16–20 May 2022 in Seoul (South Korea).

You are more than welcome to join it and to provide your valuable contribution.



CIS-TC ORGANIZED SYMPOSIA

- **Communications and Information System Security Symposium – Globecom2021**, 7-11 December 2021, Virtual Conference - 7-11 December 2021 - Madrid, Spain, Hybrid: In-Person and Virtual Conference “Connecting Cultures around the Globe”, (<https://globecom2021.ieee-globecom.org>)
- **Communications and Information System Security Symposium – ICC2022**, 16-20 May 2022 - Seoul, South Korea, Hybrid: In-Person and Virtual Conference “Intelligent Connectivity for Smart World” (<https://icc2022.ieee-icc.org>)

CIS-TC AFFILIATE CONFERENCES

- **Conference: ICACT2022**
 - 24th International Conference on Advanced Communications Technology (ICACT2022)
 - February 13- 16, 2022, Online Virtual Conference
 - <http://www.icact.org>
- **Conference: WiMob 2021**
 - 17th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2021)
 - October 11 – 13, 2021, Bologna, Italy
 - <http://www.wimob.org/wimob2021>
- **Conference: CSNET 2021**
 - 5th Cyber Security in Networking Conference (CSNET 2021)
 - October 12 – 24, 2021, Abu Dhabi, UAE (Hybrid Conference)
 - <https://csnet-conference.org/2021>
- **Conference: WTS 2022**
 - Wireless Telecommunications Symposium (WTS 2022)
 - April 6-8, 2022, Pomona, California (Hybrid Conference)
 - <http://www.cpp.edu/wtsi>
- **Conference: ITNAC 2021**
 - International Telecommunication Networks and Applications Conference (ITNAC 2021)
 - November 24-26, 2021, Sydney, Australia (Virtual Conference)
 - <https://itnac.org.au/>
- **Conference: WMNC 2021**
 - 113th IFIP Wireless and Mobile Networking Conference (WMNC 2021)
 - October 21-22, 2021, Montreal, Canada (Virtual Conference)
 - <https://wmnc2021.dnac.org/>