

## CISIS'2019 – Special Session proposal

- Title of the session.

From the least to the least: cryptographic and data analytics solutions to fulfill least minimum privilege and endorse least minimum effort in information systems

- A paragraph describing the content of the session.

Our economic and social activities are intimately connected to the *health* of our information and communication infrastructure. From a functional point of view, our productivity is propelled and perfected thanks to the easy access to a high speed Internet connection, the proliferation of low-cost cloud storage and computing platforms, and the mass production of inexpensive and usable smartphones. The deployment of the so-called e-democracy, nonetheless, demands the concretion of adequate governance methodologies for the accountable harnessing of the advantages and benefits of the cyberspace. This Special Session is intended to discuss the cryptographic solutions to balance security and privacy protection, along with detection and prevention methodologies to identifying and refraining security and privacy breaches. In addition, the success of any technological endeavor is very dependent on the effective achievement of functional expectations in an efficient way. From a general point of view, the effectiveness of security means is grounded on the attainment of the principle of least minimum privilege. Unfortunately, the deployment of such solutions in many occasions hinder implementation by information systems engineers and adoption by end users. Thus, this Special Session is also targeted to debate about easy-to-deploy and easy-to-use cryptographic and security tools and methodologies.

- Name of chair/co-chairs.

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