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Vision of Bright Internet and Retrospection of IS Theory Research

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Abstract

Global societal knowledge infrastructures and communication platforms on the Internet have made life and business more efficient and effective. However, the Internet has become full of crimes, fakes, and terrors perpetuated by anonymous users on a global scale. The current Internet paradigm cannot prevent the risk of cyber-attacks jeopardizing the foundation of future infrastructure. To cope with this problem fundamentally, the Association of Information Systems adopted the grand vision project of ICT-enabled Bright Society, and the Bright Internet initiative is a core endeavor.

The Bright Internet adopts five principles: Origin Responsibility, Deliverer Responsibility, Traceable Anonymity, Rule-based Digital Search Warrant, and Internet Peace. The Bright Internet aims the globally preventive approach in contrast with the individually defensive approach of current Internet security. This vision will be pursued jointly with the UN's International Telecommunication Union for standardization. The goals of Bright Internet can be realized only by the holistic solution of technologies, policy and international agreement.

In contrast with this vision, we retrospect the IS theory research publications with the perspective of Axiomatic Theories. We argue that the empirical tests of axiomatic theories do not create high value. We suggest that high impact research should be challenged.

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