

## Introduction to the Mini-track Cross-Organizational and Cross-Border IS/IT Collaboration

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Increasing developments of IoT applications for cross-organizational and cross-border IS/IT collaboration is one of the main features that we found from the submitted papers in our mini-track, in this year. Another main feature may be the focus of virtual teams and their involvements in elegant design walks on IoT related developments for smart systems.

In our COCB IS/IT collaboration mini-track on 2019 HICSS 52, seven papers were accepted for presentations. In the first session, the main themes will flow from virtual teams' collaboration, mobile wireless communication and collaboration, collaboration through social networks, collaboration with IT integration, to information values on mobile social platform. In the second session, we expect valuable discussions and learning from the issues such as sharing of big data for mobile collaboration systems with visual images, finding complementary artifacts and design constructs for cross-domain objects in smart systems, and global collaboration platforms for IoT applications among leading companies beyond industries and countries.

The papers in our first session, will focus more on empirical findings on the behaviors of virtual teams, engineering works for IoT applied smart systems, contracts based collaboration, and advertising values on social networks. In the first paper, "Language Proficiency and Media Synchronicity Theory: The Impact of Media Capabilities on Satisfaction and Inclusion in Multilingual Virtual Teams",

Caroline Fleischmann, Jolanta Aritz, and Peter Cardon demonstrate the increasing positive effects on inclusions and satisfaction of virtual teams by synchronous collaboration tools beyond language proficiency. In the next paper, titled "A Quasi-Experiment to Expose Attention-Decision-Learning Cycles in Engineering Project Teams", Lorena Pelegrin Alvarez, Bryan Moser, and Vivek Sakhrani introduce attentions on design variables, decisions on desired outcomes, and learning from false assumptions and better decisions on MOSES simulator.

In the third paper, titled "Contractual Dimensions and Buyer-Supplier Perceived Risk: The Moderating Role of Information Technology Integration", Yuting Wang, Zhao Cai, Hefu Liu, and Qian Huang provide evidence for the moderating effects of IT integration on the relationships between the complexity of contracts and their related risks. In the fourth paper, titled "An Exploratory Study for Perceived Advertising Value in the Relationship between Irritation and Advertising Avoidance on the Mobile Social Platforms", Xiaolong Wei, Ilsang Ko, and Nan An prove the effects of personalization and customization on perceived intrusiveness and irritation, and further try to discover the moderating effects of perceived advertising value on advertising avoidance.

The second session will focus on collaboration platforms in terms of IoT applications

development. In the first paper, “Supporting Innovation Exemplified by the ChainPORT Initiative”, Joran Tesse, Ingrid Schirmer, Sebastian Saxe, and Ulrich Baldauf suggest an enterprise architecture for IoT innovations. Their design artifacts are viewpoints with map view, global view, comparison view, types of relationships, and types of attributes. Those constructs are expected to contribute to improving flexibility and sharability of smart systems. In the second paper, titled “The Role of Cross-Domain Use Cases in IoT – A Case Analysis”, Sebastian Bar, Olaf Reinhold, and Rainer Alt argue about the use of big data from various devices in terms of large volume, large variety, and large velocity. They develop design elements and enablers of cross-domain use cases on IoT applications with semantic web, ecosystem management, and

Cross-Organizational Assimilation of IoT big data architectures for various smart systems. In the final paper, “A New Approach to the Evolution of Collaboration Platforms: The Case of South Korea’s Convergence Alliances”, Heeyoung Jang, Minsun Kim, Sungmin Cho, Jongho Lee, and Hongbum Kim compare collaboration platforms for IoT related technology developments by leading companies beyond industries during the last ten years in Korea.

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