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EDITORIAL PREFACE: LEVERAGING THE POWER OF COLLECTIVE INTELLIGENCE THROUGH IT-ENABLED GLOBAL COLLABORATION

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What has global IT research to do with complex systemic challenges like climate change or other global problems humanity is going to face like water, food, poverty, biodiversity and in general sustainable development? The Associate Editor discusses global IT research challenges in addressing such complex systemic issues. He roughly organizes this research field in two macro areas: “the management of collective intelligence” and the “design of collaborative tools”.

ENTERPRISE ADOPTION OF INTERNET BANKING IN CHINA

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Internet banking provides opportunities to expand markets, increase service efficiency, lower the cost of operations, and improve customer loyalty. The enterprise adoption of Internet banking in China is low compared to developed countries. Therefore, understanding the factors that influence the adoption of enterprise Internet banking will help both service providers and enterprise clients develop strategies for new opportunities. This paper investigates Internet banking adoption by Chinese companies. An empirical study is conducted using data from 174 Chinese companies. The results indicate that perceived benefits, perceived transactional risk, organizational readiness, and external pressure exert significant effects on enterprise adoption of Internet banking in China. Based on the research findings, suggestions are provided on how to promote the usage of Internet banking in China.

SOFTWARE DEVELOPMENT OF A GLOBALLY DISTRIBUTED MULTICOMPONENT PROJECT: A THEORETICAL MODEL AND SIMULATIONS

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Adopting the framework of a multicomponent, distributed outsourced project in IT research and development, this article introduces a quantitative model of the asymptotic stability of development output in the outsourced project components. Empirical production functions are employed to formulate stochastic distributions of the parameters in the model. Data from actual industrial projects are compared with prediction results from Monte Carlo simulations to determine the span of the linear regime of development progress. These are valuable tools for project managers and management practitioners to control and sustain the long-term evolution of the project. The points of departure from linearity as well as probable causes are discussed.

AN EMPIRICAL ASSESSMENT OF COMMON FUNDAMENTALS IN NATIONAL E-READINESS FRAMEWORKS

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In recent years, numerous e-readiness frameworks derived in large part from theory in developmental and institutional socioeconomics, have been proffered to help guide nations in these modernization efforts. This study derives a model based upon common variables across e-readiness frameworks as well as related prior research to investigate associations between key national factors and e-business and e-government activity. Six factors are identified, from general national characteristics to internet-specific characteristics: general economic prosperity, technological innovativeness, and tertiary education; internet service provider competition, law, and penetration. Data from the World Bank, the International Telecommunications Union, UNESCO, and the World Economic Forum are used to investigate the associations across ninety-two countries. PLS is used to analyze the models. Several intriguing similarities and differences are found.

THE EXPERT OPINION: AN INTERVIEW WITH HEMANT K. SABAT, CHAIRMAN, PRESIDENT AND CEO, SABAT COMMUNICATIONS SOLUTIONS, L.L.C.

Conducted by Mahesh S. Raisinghani, mrasinghani@mail.twu.edu

Hemant K. Sabat is the Chairman, President and Chief Executive Officer of Sabat Communications Solutions. The extended interview discusses the trends in the global communications and entertainment industry and the various solutions the industry is responding with. Mr. Sabat describes the concept of the Software Service Factory and its benefits for global IT executives.

BOOK REVIEW: EVENT-DRIVEN MOBILE FINANCIAL INFORMATION SERVICES, BY JAN MUNTERMANN

Reviewed by: Roberto Vinaja

This book provides an evident example of the potential impact of globalization and IT on the strategy and profitability of the financial industry. The book illustrates the design and evaluation of a mobile financial information system that supports investors in making time-critical investment decisions. The main motivation for this book is the gap between current mobile financial service concepts and actual user adoption.