Aligning IT Architecture to the Business Strategy

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Abstract: Increasingly the business success and economic opportunities steadily depend on IT-enabled capabilities and IT-driven business transformations. In today's global digital economy, the technology and business domains are colliding forcefully than ever and new business models and growing prospects emerge. The IT, and especially emerging technologies, profoundly changes how companies strategize their technology architectures and create value and business growth as a result of IT, both within specific industries, and through industry boundaries. For the IT domain it is most important to define and establish the organization's IT architecture underneath the enterprise architecture. A well-formulated IT architecture comprises content and processes and outlines the systemic effect of the mutually dependent technological components and processes of the enterprise architecture. The talk will explore the impact of emerging technologies on the process of aligning organizational IT architecture to the business strategy and will emphasize the driving forces intertwining IT domain with the business agility, growth and asset utilization.

BRIEF BIOGRAPHY

Ivan I. Ivanov is an Associate Professor of Computer Science and Information Systems at State University of New York - Empire State College. He holds a Ph.D. degree in Computers and Networking Technologies and a MS degree in Computer Engineering. He was a research fellow in leading universities in Great Britain, The Netherlands, France, and Germany. Dr. Ivanov worked in joint European IT projects with partners from France, United Kingdom, Germany, Belgium, Spain, Greece, Italy, and in cooperation with worldwide technology leaders ensuing developing advanced technological infrastructure and information services at educational establishments in Bulgaria. His scholarly work is built upon his wide range of competences within Computer Architecture, Information Systems Design, Network Services, and Information Technology Management blended with proficiency in aligning technological solutions to organizational requirements and needs. His latest professional interest is in emerging computing models and the correlation between computing and technology innovations with business and society advance. Dr. Ivanov works with students from diverse area of studies in emerging technology topics that reflect their educational plans and career opportunities. His undergraduate studies are in broad areas of Computer Architecture, Data Communica-

tions and Networks, Systems Analysis and Design, Information Security and Policy, and Information Technology for Management. He has developed and teaches graduate courses in Project Management, Management Information Systems, and Strategic IT Management for the MBA program. He is an organizer and sponsor for the Annual Technology Workshops at the Long Island Center, forums for Empire State College students to build up researching, analytical, critical thinking and presentation skills; sharing best practice in technology topics as it relates to course projects and professional development to a select group of peers, college alumni and professionals.