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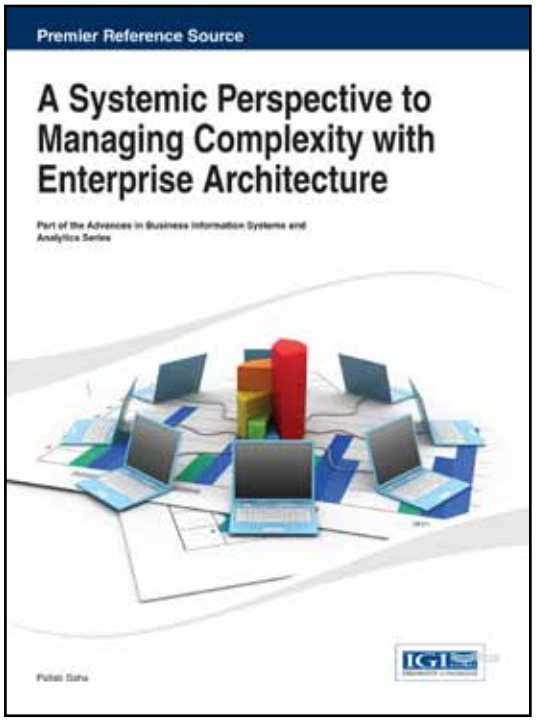
Released: September 2013



A Systemic Perspective to Managing Complexity with Enterprise Architecture

Part of the Advances in Business Information Systems and Analytics Book Series

Pallab Saha
(National University of Singapore, Singapore)

Organizational complexity is an unavoidable aspect of all businesses, even larger ones, which can hinder their ability to react to sudden or disruptive change. However, with the implementation of enterprise architecture (EA), businesses are able to provide their leaders with the resources needed to address any arising challenges.

A Systemic Perspective to Managing Complexity with Enterprise Architecture highlights the current advances in utilizing enterprise architecture for managing organizational complexity. By demonstrating the value and usefulness of EA, this book serves as a reference for business leaders, managers, engineers, enterprise architects, and many others interested in new research and approaches to business complexity.

Topics Covered:

- Public-Private Partnerships
- Architecture Leadership
- Business Model Innovations with EA
- Digital Business Platforms
- Enterprise Architecture Frameworks
- Organization Design
- Organizational Complexity

ISBN: 9781466645189; © 2014; 554 pp.
Print: US $185.00 | Perpetual: US $280.00 | Print + Perpetual: US $370.00

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Dr. Pallab Saha is with the National University of Singapore, Institute of Systems Science (NUS-ISS). His current research, consulting and teaching interests include Enterprise Architecture (EA) and Governance. Dr. Saha has published three books, *Handbook of Enterprise Systems Architecture in Practice*; *Advances in Government Enterprise Architecture*; and *Coherency Management–Architecting the Enterprise for Alignment, Agility and Assurance*. His books are widely referred by practitioners and researchers around the world, making it to the Top Seller list in 2008 and 2009. His papers have been translated and published in Korean, Russian and Polish. Dr. Saha is the primary author of the *Methodology for AGency ENTerprise Architecture (MAGENTA)* and *Government EA Guidebook for the Government of Singapore* and has led them to international prominence. They are available in IDS Scheer's ARIS Toolset. He is a recipient of the Microsoft research grant in the area of Government EA supported by the UN and the World Bank. He consults extensively and has provided consulting services to the Ministry of Defence, Defence Science and Technology Agency, Infocomm Development Authority of Singapore, Integrated Health Information Systems, IP Office of Singapore, CPF Board, SingHealth, Governments of Oman and Kazakhstan, and Great Eastern Life Assurance among others. He has been invited as a distinguished speaker to the World Bank, Carnegie Mellon University, UN University, The Open Group, Microsoft, SAP Labs, Denmark IT Society, Korea Institute for IT Architecture, IEEE, SGGovCamp, Nanyang Business School, IIM Bangalore, Governments of South Australia, Jordan, UAE, Macau, Korea, Kazakhstan, Colombia, Bangladesh, Nepal and several Singapore government agencies. His work has been featured and cited by the UN, WHO, United States DoD, Carlsberg and The Open Group and has contributed to the World Bank's EA Guidelines for Vietnam and Bangladesh. Featured as an Architect in the Spotlight by the Journal of EA he has been an external examiner for research degrees to the University of New South Wales, a Visiting Researcher to the UN University, an expert reviewer to the ACM Enterprise Architecture Tech Pack and an invited guest faculty to the Lee Kuan Yew School of Public Policy. Earlier, as Head of Development he has managed Baxter's offshore centre in Bangalore. He has had engagements in Fortune 100 organizations in various capacities. Dr. Saha holds a Ph.D in Management (Information Systems) from the Indian Institute of Science, Bangalore and has received the best research design and best thesis awards. He is an alumnus of the MIT Sloan Executive Program. He can be contacted at pallab@nus.edu.sg.

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