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A Perspective on Interprise Modeling Research stem in the New Millennium

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Abstract

Modeling of Internet-based Enterprise, Interprise in short, will be a key to success in business in the new millennium. Information Technology supports interprise modeling-in-the-large in many ways for (re)inventing business model and process, and relevant information systems. Such (re)inventing methodology research is definitely needed to undertake for vitalizing software industry that will play more crucial role for (r)evolving financial and every industrial sectors and IT as well.

Keywords: Enterprise modeling-in-the-large, business model (re)invent, Prescriptive and Descriptive views, CRT (Control, Relation, Transformation) method, interprise model simulation

1. Introduction

New come up from Information Technology (IT) community enables us make (r)evolution happen not only for financial but also almost every industrial sectors with respect to business challenges. Application of Internet over to enterprise organizations and activities draws much more attentions in financial and industrial sectors. The Interprise which is a new economical body generating synergy of IT and business must be worth to research, since it is still unclear that how much extent IT can effectively support business (r)evolution while business itself can be evolved triggered by IT. Interprise modeling is needed, since the modeling brings formation of core portion of business as a methodology of inventing promising business model and relevant business process and as a way of forming solutions that are enacted as information systems. The modeling can provide several advantages such as enhancing competitive business notion, accelerating its externalization, pushing forward its market penetrating timing, reinventing all relevant business activities. Why existing methodologies could not contribute to such industrial, business and enterprise innovation? Because most of the existing technological methodologies or methodological technologies have been trying to provide some helps to merely those postmortem activities as quality and productivity improvements. The TQM for example places much emphasis in product and services quality improvements that have been but would be no longer an (most) integral issue in business for the next millennium. It would be noteworthy that we have to watch out much more on look forward methodology/technology rather than tactic-oriented one.
The Emergence of the Enterprise

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Abstract
Industrial competition is advancing from being between individual companies, to being between extended enterprises, in an environment which is agile, constantly changing in unpredictable directions. The reasons for this are several, but they all converge on the same result, that competitive pressures for reduced prices, and better customer-centered quality and functionality, force companies to interact intensively. This development in turn, is having a profound effect on management and structure both within and between companies, because the extended enterprise has evolved into a single system with real-time interactions between companies. The individual enterprise, which is international and interactive in the culture of the internet, has been termed the Enterprise. This paper reviews these trends and shows emerging models for the new structure.

Keywords
Agility, extended-enterprise, enterprise, globalization, competitiveness, supply-chain, customer-relations

1 THE DRIVERS OF CHANGE TO THE ENTERPRISE

The industrial competitive environment is changing under the influence of a number of inexorable influences. These include:

Organizing the Extended Enterprise P. Schönsleben, & A. Büchel (Eds.)
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