



Peter Chamoni

peter.chamoni@uni-due.de

MSM - Mercator School of Management
University of Duisburg-Essen
Germany

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ABSTRACT

We will discuss the emergence of business intelligence (BI) from early decision support systems up to real-time data warehousing and event driven architectures. This lecture starts with a comprehensive overview on management support systems such as management information systems, executive information systems and decision support systems. Furthermore we will study the state-of-the-art BI architecture profoundly and give examples for best-of-breed applications in several industries. Recent findings from research work on process warehousing will give insight into the use of BI as a platform for business activity monitoring. The combination of BI and SOA helps to establish a new infrastructure for analytical services within enterprise information systems.

SPEAKER



Peter Chamoni is Full Professor at the Mercator School of Management at the University of Duisburg – Essen, Germany. He holds the chair of Information Systems and Operations Research since 1995. He habilitated in Information Systems at the Faculty of Business Administration at the University of Bochum, and he holds a Master degree in Mathematics (Dipl.-Math.) and a Ph.D. in Information Systems (Dr. rer. oec.). He is a frequent speaker on national and international conference, member of a variety of program committees and associations. Main topics of his research are the fields of decision support models, data warehousing, data mining and stochastic systems. He is president of the “The Data Warehousing Institute Germany” and chief editor of the journal “BI Spektrum”.