

## Business Intelligence Technologies: Recent Developments and Future Trends

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In this paper, we provide an overview of the important recent developments and the major future trends in academic research and software market for business intelligence (BI) technologies. Firstly, we examine the hot research topics and areas in BI domain that were revealed by papers and articles published in academic journals and professional magazines. The primary focus is on different approaches currently used to solve various types of problems specific to BI domain. The result is the Top 10 Research Areas in BI Domain. Secondly, we examine the software packages in BI industry. The primary focus is on popular software applications that were used by companies and business analysts to make better business decisions. The result is the Top 10 Software Packages in BI Industry. Finally, we examine the major technologies that impact both BI research and BI industry. The primary focus is on the future trends in BI technologies in 2009 and beyond. The result is the Top 10 Future Trends in BI Technologies. In addition, based on the findings in this paper, the BI research and BI industry in China will be compared with the BI research and BI industry outside of China. This paper not only discusses the recent developments in the BI research and BI industry to keep us apprised of what are happening, but also provides the future trends in the BI research and BI industry to keep us informed of what are coming, thus to help us better prepare for meeting new challenges of BI technologies in the near future.

### Short Bio of Shaoyi He

Dr. Shaoyi He is currently an Associate Professor of Management Information Systems in the College of Business Administration at California State University, San Marcos (CSUSM). Dr. He was an Associate Professor of Information Management in the Department of Information and Decision Sciences at California State University, San Bernardino's College of Business and Public Administration in 2002. From 2000 to 2002, he worked as an Assistant Professor of Information Sciences and Technology, and Assistant Professor of Linguistics and Applied Language Studies at the Pennsylvania State University. Prior to coming to Penn State, He was an assistant professor in Long Island University's Palmer School of Library and Information Science from 1998 to 2000. From 1994 to 1998, Dr. He worked in the Natural Language Processing Department of IBM's Software Solution Division for three and half years. Dr. He received his Ph. D. in Information and Library Science from the University of North Carolina at Chapel Hill in 1998.

Dr. He's current research interests include: interplay of language and culture and technology in global e-commerce; multilingual information retrieval on the Internet; text mining in e-business intelligence; and corpus-based cognitive linguistics. He has published papers in such academic journals as Journal of the American Society for Information Science and Technology (JSIST), Information Processing and Management (IP&M), International Journal of Virtual Community and Social Networking (IJVCSN), Journal of International Technology and Information Management (JITIM), Journal of Information Communication and Library Science (JICLS), Electronic Library, and Journal of China Society for Scientific and Technical Information. Dr. He is a member of the Association of Computing Machinery (ACM), IEEE Computer Society, Association for Information Systems (AIS), American Society for Information Science and Technology (ASIST).