

Curriculum vitae of Carlo Batini

Carlo Batini obtained the graduation in Engineering at University of Roma "La Sapienza" in 1972, and the post graduation in Computer Science in 1973. Since 1986 he has been full professor at University of Roma "La Sapienza". From 1993 to 2001 he has been on leave from University, being a member of the executive board, and in the last year President, of the Italian Authority for Information Technology in the Public Administration, where he led several innovative eGovernment projects on services to businesses, access to laws, data quality, Enterprise and Information Integration architectures. Since 2001 he is professor at University of Milano Bicocca.

His research activity has focused on methodologies for conceptual data base design, automatic layout of diagrams, visual interfaces, and, more recently, on service science, eGovernment, repositories of conceptual schemas, data and information quality, social value of information. In the last ten years, Carlo Batini led several European, national and regional research projects in the area of services, focused on the food, employment and local eGovernment domains. He published over 40 papers in international journals, and over 150 papers in international conferences.

His forty years teaching activity has been in the fields of programming languages, information systems, data bases, data warehouses, data quality, and service science. He published 32 books, six of them for the international market, among them four for Springer International and two accessible with Creative Commons licence; the topics of books are programming languages, data base modeling and design, eGovernment, service science, data and information quality. One of the Creative Commons textbooks is a transcription of video lessons of a MOOC course on Database modeling and design, that has been experimented in 2015 at the Harbin Technological Institute, China.

From 2008 to 2011 he has been the head of the Department of Computer Science (DISCo) at University of Milano Bicocca. In 2009 he received the IBM Faculty Award. In 2013 he received in Hong Kong the Elsevier Peter P. Chen Award for his research, teaching and publishing activity in conceptual modeling.

Main Publications

- C. Batini, M. Lenzerini - A Methodology for data schema integration in the Entity Relationship model - IEEE Transactions on Software Engineering, 1984.
- C. Batini, M. Lenzerini, S.B. Navathe - A Comparative Review of methodologies for database integration - IEEE Computing Surveys, 1986.
- M. Mecella, C. Batini - Enabling Italian E-Government through a Cooperative Architecture, in A.K. Elmagarmid, W.J. McIver Jr. (eds.): "Special Issue on Digital Government". IEEE Computer, vol. 34, no. 2, February 2001.
- A. Avenali, P. Bertolazzi, C. Batini, P. Missier - Brokering infrastructure for minimum cost data procurement based on quality - quantity models - Decision Support Systems, 2008, vol 45, pp. 95-109.
- M. Palmonari, G. Viscusi, C. Batini - A semantic repository approach to improve the government to business relationship. IEEE Transactions On Knowledge and Data Engineering, 2008, vol. 65, n. 3, pp. 485-511.
- C. Batini, D. Cherubini, G. Viscusi - GovQual: A Quality Driven methodology for E-Government Project planning, Government Information Quarterly, 2008.
- C. Batini, C. Cappiello, C. Francalanci, A. Maurino - Methodologies for data quality assessment and improvement. ACM Computing Surveys (41) 3, July 2009.
- G. Viscusi, M. Castelli, C. Batini: Assessing Social Value in Open Data Initiatives: A Framework. Future Internet 6(3): 498-517 (2014)

M. Comerio, C. Batini, M. Castelli, S. Grega, M. Rossetti, and Gianluigi Viscusi, Service Portfolio Management: a repository-based framework – Journal of Systems and Software, 2015.

G. Viscusi, B. Spahiu, A. Maurino, C. Batini: Compliance with open government data policies: An empirical assessment of Italian local public administrations. Information Polity 19(3-4): 263-275 (2014).

C. Batini, P. Bonizzoni, M. Comerio, R. Dondi, Y. Pirola, F. Salandra: A Clustering Algorithm for Planning the Integration Process of a Large Number of Conceptual Schemas. Journal of Computer Science and Technology 30(1): 214-224 (2015).

C. Batini et al, A. Rula, M. Scannapieco, G. Viscusi – From Data Quality to Big Data Quality – Journal of Database Management, Vol 26 Issue 1, 2015.

Books in english

1. C. Batini, S. Ceri, S.B. Navathe - Logical data base design using the Entity Relationship model - Benjamin and Cummings/ Addison Wesley, Palo Alto, California, USA, 1991.
2. C. Batini, M. Scannapieco - Data Quality: Concepts, Methodologies, Techniques, Springer Verlag 2006.
3. G. Viscusi, C. Batini, M. Mecella - Information Systems for eGovernment: a Quality of Service Perspective – Springer Verlag, August 2010.
4. C. Batini - Course on Database Modeling and Design – Transcriptions of Lessons of the MOOC Course – Creative Commons Licence, 2015.
5. C. Batini, M. Castelli, M. Comerio, M. Cremaschi, L. Iaquinta, A. Torsello, G. Viscusi – The Smart Methodology for the Life Cycle of Services, Creative Commons Licence, 2015.
6. C. Batini, M. Scannapieco - Data and Information Quality: Dimensions, Principles and Techniques, Springer Verlag, forthcoming, February 2016.