

DAFTAR PUSTAKA

- Algergawy, A., Schallehn, E. & Saake, G., 2008. Combining Effectiveness and Efficiency for Schema Matching Evaluation. In *Proceedings of The 1st International Workshop on Model-Based Software and Data Integration (MBSDI 2008)*. Berlin, Germany, 2008.
- Algergawy, A., Schallehn, E. & Saake, G., 2009 (b). Improving XML Schema Matching Performance using Prüfer Sequences. *Data and Knowledge Engineering*, 68(8), pp.728-47.
- Ali, M.G., 2009. Object-Oriented Approach for Integration of Heterogeneous Databases in a Multidatabase System and Local Schemas Modifications Propagation. *International Journal of Computer Science and Information Security (IJCSIS)*, 6(2), pp.55-60.
- Amiano, M., D'Cruz, C., Ethier, K. & Thomas, M.D., 2006. *XML: Problem-Design-Solution*. Indianapolis, USA: Wiley Publishing, Inc.
- Atzeni, P., Ceri, S., Paraboschi, S. & Torlone, 1999. *Database Systems-Concepts, Languages and Architectures*. England: McGraw-Hill International Ltd.
- Aumueller, D., Do, H.H., Massmann, S. & Rahm, E., 2005. Schema and Ontology Matching with COMA++ (demo paper). In *Proceedings of The SIGMOD*. Baltimore, Maryland, USA, 2005.
- Banek, M., Vrdoljak, B., Tjoa, A.M. & Skocir, Z., 2008. Automated Integration of Heterogeneous Data Warehouse Schemas. *International Journal of Data Warehousing and Mining (IJDWM)*, 4(4), pp.1-21.
- Barrasa, J., Corcho, O. & Gómez-Pérez, 2004. R2O, An Extensible and Semantically Based Database to Ontology Mapping Language. In *Proceedings of The 2nd Workshop on Semantic Web and Databases (SWDB2004)*. Toronto, Canada, 2004.
- Batini, C., Ceri, S. & Navathe, S.B., 1992. *Conceptual Database Design an Entity Relationship Approach*. Redwood City, California, USA: The Benjamin/Cummings Publishing Company, Inc.
- Batini, C., Lenzerini, M. & Navathe, S.B., 1986. A Comparative Analysis of Methodologies for Database Schema Integration. *ACM Computing Surveys*, 18(4), pp.323-64.
- Batini, C. & Scannapieco, M., 2006. *Data Quality: Concepts, Methodologies and Techniques*. Book Review. New York, USA: Springer.
- Bellahsene, Z., Bonifati, A. & Rahm, E., 2011. *Schema Matching and Mapping, Data-Centric Systems and Applications*. New York, USA: Springer.
- Bellström, P. & Kop, C., 2012. Towards a Framework for Schema Quality in the Schema Integration Process. In *Proceedings of The 5th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling*. Rostock, Germany, 2012.
- Benkley, S., Fandozzi, J., Housman, E. & Woodhouse, G., 1995. *Data Element Tool-Based Analysis (DELTA)*, MITRE Technical Report MTR'95 B147. Technical Report.

- Bergamaschi, S., Castano, S. & Vincini, M., 1999. Semantic Integration of Semistructured and Structured Data Sources. *SIGMOD Record*, 28(1), pp.54-59.
- Bergamaschi, S., Castano, S., Vincini, M. & Beneventano, D., 2001. Semantic Integration of Heterogeneous Information Sources. *Data and Knowledge Engineering*, 36(3), pp.215-49.
- Berlin, J. & Motro, A., 2001. (a), Automatch: Database Schema Matching Using Machine Learning with Feature Selection. In *Proceedings of The 6th International Conference Cooperative Information Systems (CoopIS), In Cooperation with VLDB 2001*. Trento, Italy, 2001.
- Berlin, J. & Motro, A., 2001. (b), AUTOPLEX-Automated Discovery of Content for Virtual Databases. In *Proceedings of The 9th International Conference Cooperative Information Systems (CoopIS), In Cooperation with VLDB 2001*. Trento, Italy, 2001.
- Berlin, J. & Motro, A., 2006. TupleRank: Ranking Discovered Content in Virtual Databases. In *The 6th International Conference on Next Generation Information Technology and Systems (NGITS 2006)*. Keibutz Sehfarim, Israel, 2006. July 4-6, 2006.
- Bernstein, P.A., 2003. Applying Model Management to Classical Meta Data Problems. In *Proceedings of The 1st International Conference Innovative Data Systems Research (CIDR)*. Asilomar, California, USA, 2003.
- Bernstein, P., Harry, B., Sanders, P., Shutt, D. & Zander, J., 1997. The Microsoft Repository. In *Proceedings of The 23rd International Conference Very Large Databases (VLDB)*. Athens, Greece, 1997.
- Bernstein, P.A., Madhavan, J. & Rahm, E., 2011. Generic Schema Matching, Ten Years Later. In *Proceedings of The VLDB Endowment*. Seattle, Washington, 2011.
- Bernstein, P.A., Melnik, S., Petropoulos, M. & Quix, C., 2004. Industrial-Strength Schema Matching. *ACM SIGMOD Record*, 33(4), pp.38-53.
- Bertino, E., Guerrini, G. & Mesiti, M., 2004. A Matching Algorithm for Measuring the Structural Similarity between an XML Document and a DTD and Its Applications, *Information Systems*. 29(1), pp.23-46.
- Bilke, A. & Naumann, F., 2005. Schema Matching Using Duplicates. In *Proceedings of The 21th International Conference on Data Engineering (ICDE)*. Tokyo, Japan, 2005.
- Bizer, C., Heath, T. & Berners-Lee, T., 2009. Linked Data-The Story So Far. *International Journal of Semantic Web Informations Systems*, 5(3), pp.1-22.
- Bohannon, Elnahrawy, P.E., Fan, W. & Flaster, M., 2006. Putting Context into Schema Matching. In *Proceedings of The 32th International Conference Very Large Databases (VLDB)*. Seoul, Korea, 2006. September 12-15, 2006.
- Castano, S. & Antonellis, V.D., 1999. A Schema Analysis and Reconciliation Tool Environment for Heterogeneous Databases. In *Proceedings of The International Database Engineering and Applications Symposium (IDEAS)*. Montreal, Que, 1999.

- Castano, S., Antonellis, V.D. & di Vimercati, S.D.C., 2001. Global Viewing of Heterogeneous Data Sources. *IEEE Transaction Knowledge and Data Engineering*, 13(2), pp.277-97.
- Catarci, T. & Lenzerini, M., 2003. Representing and Using Interschema Knowledge in Cooperative Information Systems. *Intelligent and Cooperative Information Systems Journal*, 2(4), pp.375-98.
- Chatterjee, N. & Krishna, M., 2007. Semantic Integration of Heterogeneous Databases on Web. In *Proceedings of The International Conference on Computing: Theory and Applications*. New Delhi, India, 2007.
- Chien, B.C. & He, S.Y., 2010. A Hybrid Approach for Automatic Schema Matching. In *Proceedings of the 9th International Conference on Machine Learning and Cybernetics*. Qingdao, China, 2010.
- Clifton, C., Housman, E. & Rosenthal, A., 1997. Experience with a Combined Approach to Attribute-Matching Across Heterogeneous Databases. In *Proceedings of The 7th IFIP 2.6 Working Conference on Database Semantics*. Leysin, Switzerland, 1997.
- Codd, E.F., 1985a. Is Your DBMS Really Relational? *Computerworld*, 19(41).
- Codd, E.F., 1985b. Does Your DBMS Run By The Rules? *Computerworld*, 19(42).
- Codd, E.F., 1990. *The Relational Model for Database Management, Version 2*. Boston, Massachusetts, USA.: Addison-Wesley Publishing Company, Inc.
- Cohen, W., 1998. Integration of Heterogeneous Databases Without Common Domains using Queries Based on Textual Similarity. In *Proceedings of The ACM SIGMOD International Conference Management of Data*. Seattle, Washington, USA, 1998.
- Connolly, T. & Begg, C.E., 2009. *Database Systems: A Practical Approach to Design, Implementation, and Management*. 5th ed. Boston, Massachusetts, USA: Addison-Wesley Publishing Company, Inc.
- Courtney, J.F., Paradise, D.B., Brewer, K.L. & Graham, J.C., 2010. *Database Systems for Management*. 3rd Edition. Zurich, Switzerland: Jacobs Foundation.
- Cruz, I.F., Antonelli, F.P. & Stroe, C., 2009. AGREEMENTMAKER: Efficient Matching for Large Real-World Schemas and Ontologies (demo paper). In *Proceedings of International Conference on Very Large Data-Bases (VLDB)*, 2009.
- Date, C.J., 2004. *An Introduction to Database Systems*. 8th Edition. California, USA., USA: Pearson Education Inc.
- Dhamankar, R., Lee, Y., Doan, A., Halevy, A. & Domingos, P., 2004. IMAP-Discovering Complex Semantic Matches between Database Schemas. In *Proceedings of The ACM SIGMOD International Conference Management of Data*. Paris, Franc, 2004.
- Do, H.H., 2005. *Schema Matching and Mapping-Based Data Integration*. Ph.D. Thesis. Leipzig, Germany: University of Leipzig.
- Doan, A.H., Domingos, P. & Halevy, A.Y., 2001. Reconciling Schemas of Disparate Data Sources-A Machine-Learning Approach. In *Proceedings of*

- The ACM SIGMOD International Conference Management of Data*. Santa Barbara, California, 2001.
- Doan, A.H., Madhavan, J., Domingos, P. & Halevy, A., 2002. Learning to Map between Ontologies on the Semantic Web. In *Proceedings of 11th International Conference on World Wide Web (WWW)*. Honolulu, Hawaii, USA, 2002.
- Do, H.H. & Rahm, E., 2002. COMA-A System for Flexible Combination of Schema Matching Approach. In *Proceedings of The 28th Conference on Very Large Data Bases (VLDB)*. Hong Kong, China, 2002.
- Do, H.H. & Rahm, E., 2007. Matching Large Schemas: Approaches and Evaluation. *Information System Journal*, 32(6), pp.857-85.
- Do, H.H., Melnik, S. & Rahm, E., 2003. Comparison of Schema Matching Evaluations. In *Proceedings of 2nd International Workshop Web and Databases, In: Lecture Notes In Computer Science (LNCS) 2593*. Springer-Verlag, Germany, 2003.
- Dragut, E. & Lawrence, R., 2004. Composing Mappings Between Schemas Using a Reference Ontology. In *Proceedings of The International Conference on Ontologies, Databases, and Applications of Semantics (ODBASE)*. Larnaca, Cyprus, 2004.
- Duchateau, F. & Bellahsene, Z., 2010. Measuring the Quality of an Integrated Schema. In *Proceedings of The Conceptual Modeling-ER 2010: 29th International Conference on Conceptual Modeling*. Vancouver, British Columbia, Canada, 2010. November 1-4, 2010.
- Ehrig, M. & Staab, S., 2004. QOM-Quick Ontology Mapping. In *Proceedings of The 3rd International Semantic Web Conference (ISWC)*. Hiroshima, Japan, 2004.
- Ehrig, M., Staab, S. & Sure, Y., 2005. Bootstrapping Ontology Alignment Methods with APFEL. In *Proceedings of The International Conference on Semantic Web (ICSW)*. Chiba, Japan, 2005. May 10-14, 2005.
- Ehrig, M. & Sure, Y., 2004. Ontology Alignment-Karlsruhe. In *Proceedings of The 3rd International Workshop Evaluation of Ontology-Based Tools (EON)*. Hiroshima, Japan, 2004.
- Elmasri, R. & Navathe, S.B., 2011. *Fundamentals of Database Systems*. 6th Edition. Boston, Massachusetts, USA: Addison-Wesley Publishing Company, Inc.
- Elmeleegy, H., Ouzzani, M. & Elmagarmid, A.K., 2008. Usage-Based Schema Matching. In *Proceedings of 24th International Conference on Data Engineering (ICDE)*. Cancún, México, 2008. April 7-12, 2008.
- Embley, D.W., Jackmann, D. & Xu, L., 2001. Multifaceted Exploitation of Metadata for Attribute Match Discovery in Information Integration. In *Proceedings of 1st International Workshop Information Integration on the Web (WIIW)*. Rio de Janeiro, Brazil, 2001.
- Engmann, D. & Massmann, S., 2007. Instance Matching with COMA++. In *Datenbank Systeme in Business, Technologie und Web (BTW Workshop): Model Management and Metadata*. Aachen, Germany, 2007.

- Euzenat, J., Ferrara, A., Hollink, L., Isaac, A., Joslyn, C., Malaisé, V., Meilicke, C., Nikolov, A., Pane, J., Sabou, M., Scharffe, F., Shvaiko, P., Spiliopoulos, V., Stuckenschmidt, H., Šváb-Zamazal, O., Svátek, V., Trojahn, C., Vouros, G. & Wang, S., 2009. Result of the Ontology Alignment Evaluation Initiative 2009. In *Proceedings of The 4th International Workshop on Ontology Matching Collocated with The 8th International Semantic Web Conference (ISWC-2009)*. Washington DC., USA, 2009. October 25, 2009,.
- Euzenat, J., Ferrara, A., Meilicke, C., Pane, J., Scharffe, F., Shvaiko, P., Stuckenschmidt, H., Šváb-Zamazal, O., Svátek, V. & dos Santos, C.T., 2010. Results of the Ontology Alignment Evaluation Initiative 2010. In *Proceedings of The 5th ISWC Workshop on Ontology Matching (OM)*. Shanghai, China, 2010.
- Euzenat, J., Loup, D., Touzani, M. & Valtchev, P., 2004. Ontology Alignment with OLA. In *Proceedings of The 3rd International Workshop Evaluation of Ontology Based Tools (EON)*. Hiroshima, Japan, 2004.
- Evermann, J., 2008. An Exploratory Study of Database Integration Processes. *IEEE Transactions on Knowledge & Data Engineering*, 20(1), pp.99-115.
- Falconer, S.M. & Noy, N.F., 2011. Interactive Techniques to Support Ontology Matching. In Bellahsene, Z., Bonifati, A. & Rahm, E. *Schema Matching and Mapping, Data-Centric Systems and Applications*. New York, USA: Springer. pp.29-52.
- FFE Software, I., 2005. <http://www.sql.com/>, diakses 05 November 2014.
- Gal, A., 2006. Managing Uncertainty in Schema Matching with Top-k Schema Mappings. *Journal on Data Semantics*, 6, pp.90-114.
- Gal, A., 2011. Enhancing the Capabilities of Attribute Correspondences. In Z. Bellahsene, A. Bonifati & E. Rahm, eds. *Schema Matching and Mapping, Data-Centric Systems and Applications*. New York, USA: Springer. pp.53-74.
- Giunchiglia, F., Shvaiko, P. & Yatskevich, M., 2004. S-Match: An Algorithm and an Implementation of Semantic Matching. In *Proceedings of The 1st European Semantic Web Symposium (ESWS)*. Heraklion, Crete, Greece, 2004.
- Giunchiglia, F., Yatskevich, M. & Avesani, P., 2005 (a). A Large Scale Taxonomy Mapping Evaluation. In *Proceedings of The 4th International Conference Semantic Web Conference (ISWC)*. Galway, Ireland, 2005 (a).
- Giunchiglia, F., Yatskevich, M. & Giunchiglia, E., 2005 (b). Efficient Semantic Matching. In *Proceedings of The 2nd European Semantic Web Conference (ESWC)*. Heraklion, Crete, Greece, 2005 (b).
- Gotthard, W., Lockemann, P.C. & Neufeld, A., 1992. System Guided View Integration for Object Oriented Databases. *IEEE Transaction Knowledge and Data Engineering*, 4(1), pp.1-22.
- Gross, A., Hartung, M., Kirsten, T. & Rahm, E., 2010. On Matching Large Life Science Ontologies in Parallel. In *Proceedings of The 7th International Conference Data Integration in the Life Sciences (DILS)*. Gothenburg, Sweden, 2010. Gross, A., Hartung, M., Kirsten, T., Rahm, E.

- Guetari, S.B.H. & Laboisse, B., 2011. Managing Multisource Databases: Between Theory and Practice (Practice Oriented). In *Proceedings of The 16th International Conference on Information Quality (ICIQ)*. Adelaide, Australia, 2011. November 18-20, 2011.
- Haas, L.M, Hernández, M.A., Ho, H., Popa, L. & Roth, M., 2005. CLIO Grows Up: From Research Prototype to Industrial Tool. In *Proceedings of The ACM SIGMOD International Conference Management of Data*. Baltimore, Maryland, USA, 2005.
- Hamill, S., Dixon, M., Read, B.J. & Kalmus, J.R., 1997. *Interoperating Database Systems: Issues and Architectures*. Technical Report. United Kingdom: Council for the Central Laboratory of The Research Councils.
- Harold, E.R., 2004. *XML 1.1 Bible*. 3rd Edition. Indianapolis, Indiana, USA: Wiley Publishing Inc.
- Hayne, S. & Ram, S., 1990. Multi User View Integration System (MUVIS): An Expert System for View Integration. In *Proceedings of The 6th International Conference Data Engineering (ICDE '90)*. Los Angeles, California, USA, 1990.
- He, B. & Chang, K., 2003. Statistical Schema Matching Across Web Query Interfaces. In *Proceedings of The ACM SIGMOD International Conference Management of Data*. San Diego, California, USA, 2003.
- He, B., Chang, K.C.C. & Han, J., 2004. Discovering Complex Matchings Across Web Query Interfaces-A Correlation Mining Approach. In *Proceedings of The 10th ACM SIGKDD International Conference Knowledge Discovery and Data Mining*. Seattle, Washington, USA, 2004.
- He, H., Meng, W., Yu, C. & Wu, Z., 2003. WISE-INTEGRATOR-An Automatic Integrator of Web Search Interfaces for E-Commerce. In *Proceedings of The 29th International Conference on Very Large Data Bases (VLDB)*. Berlin, Germany, 2003.
- Hendricks, K.B., Singhal, V.R. & Stratman, J.K., 2007. The Impact of Enterprise Systems on Corporate Performance: A Study of ERP, SCM, and CRM System Implementations. *Operations Management Journal*, 25, pp.65-82.
- Hernández, M.A., Miller, R.J. & Haas, L.M., 2001. CLIO-A Semi-Automatic Tool for Schema Mapping, Software Demonstration. In *Proceedings of The ACM SIGMOD International Conference Management of Data*. Santa Barbara, California, USA, 2001.
- Hoshiai, T., Yamane, Y., Nakamura, D. & Tsuda, H., 2004. A Semantic Category Matching Approach to Ontology Alignment. In *Proceedings of The 3rd International Workshop Evaluation of Ontology-Based Tools (EON)*. Hiroshima, Japan, 2004.
- Hu, W., Qu, Y. & Cheng, G., 2008. Matching Large Ontologies: A Divide and Conquer Approach. *Data and Knowledge Engineering Journal*, 67(1), pp.140-60.
- Jean-Mary, Y.R., Shironoshita, E.P. & Kabuka, M.R., 2009. Ontology Matching with Semantic Verification. *Web Semantics Journal*, 7(3), pp.235-51.
- Jhingran, A.D., Mattos, N. & Pirahesh, H., 2002. Information Integration: A Research Agenda. *IBM Systems Journal*, 41(4), pp.555-62.

- Jian, N., Hu, W., Cheng, G. & Qu, Y., 2005. Falcon-AO: Aligning Ontologies with Falcon. In *Proceedings of The K-CAP Workshop on Integrating Ontologies (K-CAP'05)*. Banff, Canada, 2005.
- Johannesson, P., 1993. *Schema Integration, Schema Translation, and Interoperability in Federated Information Systems*. Dissertation. Stockholm, Sweden: Stockholm University & Royal Institute of Technology.
- Kang, J. & Naughton, J., 2003. On Schema Matching with Opaque Column Names and Data Values. In *Proceedings of The ACM SIGMOD International Conference Management of Data*. San Diego, California, USA, 2003.
- Karasneh, Y., brahim, H., Othman, M. & Yaakob, R., 2010. An Approach for Matching Relational Database Schemas. *Journal of Digital Information Management*, 8(4), pp.260-69.
- Karasneh, Y., Ibrahim, H., Othaman, M. & Yaakob, R., 2009. Integrating Schemas of Heterogeneous Relational Databases Through Schema Matching. In *Proceedings of The 11th International Conference on Information Integration and Web-based Applications and Services*.
- Katz, R.H., 1983. Managing the Chip Design Database. *IEEE Computer Magazine, Special Issue on New VLSI Design Tools*, 16(12), pp.26-36. <http://dx.doi.org/10.1109/MC.1983.1654266>.
- Kavitha, C., Sadasivam, G.S. & Shenoy, S.N., 2011. Ontology Based Semantic Integration of Heterogeneous Databases. *European Journal of Scientific Research*, 64(1), pp.115-22.
- Kementerian Komunikasi dan Informasi RI, 2002. SIFONAS Sebagai Tulang Punggung e-Governance.
- Kim, W. & Seo, J., 1991. Classifying Schematic and Data Heterogeneity in Multidatabase Systems. *IEEE*, 24(12), pp.12-18.
- Krishna, M., 2006. Retaining Semantics in Relational Databases by Mapping them to RDF. In *Proceedings of The IEEE/WIC/ACM International Conference on Intelligent Agent Technology (WI-IAT) Workshops*. Hong Kong, China, 2006.
- Lambrix, P., Tan, H. & Xu, W., 2008. Literature-Based Alignment of Ontologies. In *Proceedings of The 3rd International Workshop on Ontology Matching*. Karlsruhe, Germany, 2008. October 26-30, 2008.
- Larson, J.A., Navathe, S.B. & Elmasri, R., 1989. A Theory of Attribute Equivalence in Databases with Application to Schema Integration. *IEEETrans Software Engineering Journal*, 16(4), pp.449-63.
- Lee, Y., Sayyadian, M., Doan, A. & Rosenthal, A., 2007. eTuner: Tuning Schema Matching Software using Synthetic Scenarios. *Very Large Databases (VLDB) Journal*, 16(1), pp.97-122.
- Lee, M.L., Yang, L.H., Hsu, W. & Yang, X., 2002. XClust: Clustering XML Schemas for Effective Integration. In *Proceeding of 11th International Conference on Information and Knowledge Management (CIKM'02)*. Virginia, USA, 2002.

- Leme, L.A.P.P., Casanova, M.A., Breitman, K.K. & Furtado, A.L., 2010. OWL schema matching. *Journal of the Brazilian Computer Society*, 16(1), pp.21-34. doi:10.1007/s13173-010-0005-3.
- Lerner, B.S., 2000. A Model for Compound Type Changes Encountered in Schema Evolution. *ACM Transaction Database Systems*, 25(1), pp.83-127.
- Li, W.S. & Clifton, C., 1994. Semantic Integration in Heterogeneous Databases Using Neural Networks. In *Proceedings of 20th International Conference on Very Large Data Bases (VLDB)*. Santiago de Chile, Chile, 1994.
- Li, W.S. & Clifton, C., 2000. SEMINT-A Tool for Identifying Attribute Correspondences in Heterogeneous Databases Using Neural Network. *Data and Knowledge Engineering Journal*, 33(1), pp.49-84.
- Li, W.S., Clifton, C. & Liu, S.Y., 2000. Database Integration Using Neural Networks: Implementation and Experiences. *Knowledge and Information Systems Journal*, 2(1), pp.73-96.
- Litan, D., Aura, M.M., Copcea, L., Surugiu, I., Teohori, M. & Raduta, O., 2011. Information Systems Integration, A New Trend in Business. In *Proceedings of The 10th WSEAS International Conference on Applications of Computer Engineering (ACE'11)*. Gran Canaria, Canary Islands, Spain, 2011.
- Litan, D., Copcea, L., Teohari, M., Mocanu, A.M., Surugiu, I. & Raduta, O., 2011. Ways to Increase the Efficiency of Information Systems. In *Proceedings of The 10th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering*. Wisconsin, USA, 2011.
- Li, J., Tang, J., Li, Y. & Luo, Q., 2009. RiMOM: A Dynamic Multistrategy Ontology Alignment Framework. *IEEE Transaction Knowledge Data Engineering*, 21(8), pp.1218-32.
- Lu, J., Wang, J. & Wang, S., 2005. An Experiment on the Matching and Reuse of XML Schemas. In *Proceedings of 5th International Conference on Web Engineering (ICWE)*. Sydney, Australia, 2005.
- Lu, J., Wang, J. & Wang, S., 2007. XML Schema Matching. *International Journal of Software Engineering and Knowledge Engineering (IJSEKE)*, 17(5), pp.575-97. October 2007.
- Madhavan, J., Bernstein, P.A., Chen, K., Halevy, A. & Shenoy, P., 2003. Corpus-Based Schema Matching. In *Proceedings of The IJCAI-03 Workshop on Information Integration on the Web (IIWeb)*. Acapulco, Mexico, 2003.
- Madhavan, J., Bernstein, P.A., Doan, A. & Halevy, A., 2005. Corpus-Based Schema Matching. In *Proceedings of The 21th International Conference on Data Engineering (ICDE)*. Tokyo, Japan, 2005.
- Madhavan, J., Bernstein, P.A. & Rahm, E., 2001. Generic Schema Matching with CUPID. In *Proceedings of The 27th International Conference on Very Large Data Bases (VLDB)*. Roma, Italy, 2001.
- Magnani, M., Rizopoulos, N., McBrien, P. & Montesi, D., 2005. Schema Integration Based on Uncertain Semantic Mappings. In *Proceedings of The 24th International Conference on Conceptual Modeling (ER)*. Klagenfurt, Austria, 2005. October 24-28, 2005.
- Manning, C.D., Raghavan, P. & Schütze, H., 2009. *An Introduction to Information Retrieval*. Cambridge, England: Cambridge University Press.

- Manning, C.D. & Schutze, H., 1999. *Foundations of Statistical Natural Language Processing*. London, England: The Massachusetts Institute of Technology Press.
- Martinek, P., 2009. *Schema Matching Methodologies and Runtime Solutions in SOA Based Enterprise Application Integration*. Ph.D Thesis. Hungary: Department of Electronics Technology, Faculty of Electrical Engineering & Informatics, Budapest University of Technology and Economics.
- Massmann, S., Raunich, S., Aumüller, D., Arnold, P. & Rahm, E., 2011. Evolution of the COMA Match System. In *Proceedings of The 6th International Workshop on Ontology Matching (OM-2011)*. Bonn, Germany, 2011.
- McCann, R., Shen, W. & Doan, A., 2008. Matching Schemas in Online Communities: A Web 2.0 Approach. In *Proceedings of The 24th International Conference on Data Engineering (ICDE)*. Cancún, México, 2008. April 7-12, 2008.
- Melnik, S., Molina, H.G. & Rahm, E., 2002. Similarity Flooding-A Versatile Graph Matching Algorithm. In *Proceedings of The 18th International Conference on Data Engineering (ICDE)*. San Jose, California, USA, 2002.
- Melnik, S., Rahm, E. & Bernstein, P., 2003. RONDO: A Programming Platform for Generic Model Management. In *Proceedings of The ACM-SIGMOD Conference on Management of Data (SIGMOD)*. San Diego, California, USA, 2003.
- Milo, T. & Zohar, S., 1998. Using Schema Matching to Simplify Heterogeneous Data Translation. In *Proceedings of The 24th International Conference on Very Large Data Bases (VLDB)*. New York, USA, 1998.
- Mitra, P. & Wiederhold, G., 2002. Resolving Terminological Heterogeneity in Ontologies. In *Proceedings of The ECAI-02 Workshop on Ontologies and Semantic Interoperability, European Conference on Artificial Intelligence (ECAI)*. Lyon, France, 2002.
- Mitra, P., Wiederhold, G. & Jannink, J., 1999. Semi-Automatic Integration of Knowledge Sources. In *Proceedings of The 2nd International Conference on Information Fusion (FUSION)*. Sunnyvale, California, USA, 1999.
- Mitra, P., Wiederhold, G. & Kersten, M., 2000. Graph-Oriented Model for Articulation of Ontology Interdependencies. In *Proceedings of The 7th International Conference Extending Database Technology (EDBT)*. Konstanz, Germany, 2000.
- Mork, P. & Bernstein, P.A., 2004. Adapting a Generic Match Algorithm to Align Ontologies of Human Anatomy. In *Proceedings of The 20th International Conference on Data Engineering (ICDE)*. Boston, MA, USA, 2004.
- Nandi, A. & Bernstein, P.A., 2009. HAMSTER, Using Search Clicklogs for Schema and Taxonomy Matching. In *Proceedings of The International Conference on Very Large Data Bases (VLDB)*. Lyon, France, 2009. August 24-28, 2009.
- Naumann, F., Ho, C T., Tian, X., Haas, L. & Megiddo, N., 2002. Attribute Classification Using Feature Analysis (Poster). In *Proceedings of The 18th*

- International Conference on Data Engineering (ICDE)*. San Jose, California, 2002.
- Noy, N.F. & Musen, M.A., 2003. The PROMPT Suite: Interactive Tools For Ontology Merging and Mapping. *International Journal of Human-Computer Studies*, 59(6), pp.983-1024.
- Noy, N.F. & Musen, M.A., 2004. Using Prompt Ontology-Comparison Tools in the EON Ontology Alignment Contest. In *Proceedings of The 3rd International Workshop Evaluation of Ontology-Based Tools (EON)*. Hiroshima, Japan, 2004.
- Oracle Corporation, 2015. <http://dev.mysql.com/doc/refman/5.7/en/information-schema.html>, diakses 05 November 2015.
- Özsu, M.T. & Valduriez, P.P., 2011. *Principles of Distributed Database Systems*. 3rd Edition. New York, USA: Pearson Education, Inc., Springer.
- Palopoli, L., Sacca, D., Terracina, G. & Ursino, D., 1999. A Unified Graph-Based Framework for Deriving Nominal Interscheme Properties, Type Conflicts and Object Cluster Similarities. In *Proceedings of The 4th IFCIS International Conference on Cooperative Information Systems (CoopIS)*. Edinburgh, Scotland, 1999.
- Palopoli, L., Sacca, D., Terracina, G. & Ursino, D., 2003. Uniform Techniques for Deriving Similarities of Objects and Subschemes in Heterogeneous Databases. *IEEE Transaction Knowledge and Data Engineering*, 15(2), pp.271-94.
- Palopoli, L., Saccà, D. & Ursino, D., 1998. Semi-Automatic, Semantic Discovery of Properties from Database Schemes. In *Proceedings of International Database Engineering and Applications Symposium (IDEAS)*. Cardiff, Wales, United Kingdom, 1998.
- Palopoli, L., Terracina, G. & Ursino, D., 2000. The System DIKE-Towards the Semi-Automatic Synthesis of Cooperative Information Systems and Data Warehouses. In *Proceedings of The Challenges: 2000 ADBIS-DASFAA Symposium on Advances in Databases and Information Databases and Information Systems, Enlarged 4th East-European Conference on Advances in Databases and Information Systems*. Prague, Czech Republic, 2000.
- Peukert, E., Berthold, H. & Rahm, E., 2010. Rewrite Techniques for Performance Optimization of Schema Matching Processes. In *Proceedings of The 13th International Conference on Extending Database Technology (EDBT)*. Lausanne, Switzerland, 2010. March 22-26, 2010.
- Popa, L., Hernández, M., Naumann, F., Velegrakis, Y., Ho, H. & Miller, R.J., 2002. Mapping XML and Relational Schemas with CLIO (Software Demonstration). In *Proceedings of The International Conference on Data Engineering (ICDE)*. San Jose, California, USA, 2002.
- Rahm, E., 2011. Schema Matching and Mapping: Towards Large-Scale Schema and Ontology Matching. In Z. Bellahsene, A. Bonifati & E. Rahm, eds. *Data-Centric Systems & Applications*. New York, USA: Springer. pp.3-28.
- Rahm, E. & Bernstein, P.A., 2001. A Survey of Approaches to Automatic Schema Matching. *Very Large Databases (VLDB) Journal*, 10(4), pp.334-50.

- Rahm, E. & Do, H.H., 2000. Data Cleaning: Problems and Current Approaches. *IEEE Computer Society Technical Committee on Data Engineering*, 23(4), pp.3-13.
- Ramakrishnan, R. & Gehrke, J., 2002. *Database Management Systems*. New York, USA: McGraw-Hill International Ltd.
- Rijsbergen, C.J.V., 1979. *Information Retrieval* (Online Edition), 2nd Edition. Butterworths, London.
- Sah, B., Stanoi, I. & Clarkson, K.L., 2002. Schema Covering: A Step Towards Enabling Reuse in Information Integration. In *Proceedings of The International Conference on Data Engineering (ICDE)*. San Jose, California, USA, 2002. February 26-March 1, 2002.
- Saleem, K., Bellahsene, Z. & Hunt, E., 2008. PORSCHE: Performance Oriented Schema Mediation. *Information Systems Journal*, 33(7-8), pp.637-57.
- Saleem, K., Bellahsene, Z. & Hunt, E., 2007. Performance Oriented Schema Matching. In *Proceedings of The 18th International Conference on Database and Expert Systems Applications (DEXA 2007)*. Regensburg, Germany, 2007. September 3-7, 2007.
- Seligman, L., Mork, P., Halevy, A.Y., Smith, K., Carey, M.J., Chen, K., Wolf, C., Madhavan, J., Kannan, A. & Burdick, D., 2010. OpenII: An Open Source Information Integration Toolkit. In *Proceedings of The ACM SIGMOD International Conference on Management of Data (SIGMOD)*. Indianapolis, Indiana, USA, 2010.
- Sheth, A.P., 1998. Changing Focus on Interoperability in Information Systems: from Systems, Syntax, Structure to Semantics. In Goodchild, M.F., Egenhofer, M.J., Fegeas, R. & Kottman, C.A. *Interoperating Geographic Information Systems*. Boston, Massachusetts, USA: Kluwer Academic Publishers. pp.5-30.
- Shvaiko, P. & Euzenat, J., 2005. A Survey of Schema-Based Matching Approaches. *Journal on Data Semantics IV, LNCS 3730*, 4, pp.146-71.
- Silberschatz, A., Korth, H.F. & Sudarshan, S., 2010. *Database System Concepts*. 6th Edition. New York, USA: McGraw-Hill International Ltd.
- Sinambela, J.M., 2011. *Integrasi Sistem Informasi (Makalah Presentasi)*. <http://josh.rootbrain.com/seminar/Integrasi%20Sistem%20Informasi-Josua-M-Sinambela.pdf>, diakses tanggal 31 Desember 2015.
- Smith, K., Mork, P., Seligman, L., Rosenthal, A., Morse, M., Wolf, C., Allen, D. & Li, M., 2009. The Role of Schema Matching in Large Enterprises. In *Proceedings of The 4th Biennial Conference on Innovative Data Systems Research (CIDR) (Online Proceedings)*. 2009.
- Spaccapietra, S. & Parent, C., 1992. View Integration: A Step Forward in Solving Structural Conflicts. *IEEE Transaction Knowledge and Data Engineering*, 6(2).
- Stabenau, A., McVicker, G., Melsopp, C., Proctor, G., Clamp, M. & Birney, E., 2004. An Overview of ENSEMBL. *Genome Research Journal*, 14(5), pp.929-33.

- Suharno, 2006. Mewujudkan Negara Kesatuan Indonesia Melalui Sinerginya Sistem Informasi. Dalam *Prosiding Konferensi Nasional Teknologi Informasi & Komunikasi untuk Indonesia*. Bandung, 2006.
- Su, W., Wang, J. & Lochovsky, F.h., 2006. Holistic Schema Matching for Web Query Interfaces. In *Proceedings of The 10th International Conference on Extending Database Technology (EDBT)*. Munich, Germany, 2006. March 26-31, 2006.
- Tu, K.W. & Yu, Y., 2005. CMC: Combining Multiple Schema-Matching Strategies Based on Credibility Prediction. In *Proceedings of The 10th International Conference on Database Systems for Advanced Applications (DASFAA)*. Beijing, China, 2005.
- Velicanu, M., Litan, D., Copcea, L., Teohari, M., Mocanu, A M., Surugiu, I. & Raduta, O., 2011. Ways to Increase the Efficiency of Information Systems. In *Proceedings of The 10th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering, and Databases*. Cambridge, United Kingdom, 2011.
- Villanyi, B., Martinek, P. & Szikora, B., 2010. A Novel Framework for The Composition of Schema Matchers. In *Proceedings of The 14th WSEAS International Conference on Computers, Latest Trends on Computers*. Corfu Island, Greece, 2010. July 23-25, 2010.
- Wang, J., Wen, J., Lochovsky, F. & Ma, W., 2004. Instance-Based Schema Matching for Web Databases by Domain-Specific Query Probing. In *Proceedings of 13th International Conference on Very Large Data-Bases (VLDB)*. Toronto, Canada, 2004.
- Wiederhold, G., 1996. *Glossary: Intelligent Integration of Information*. Boston, Massachusetts, USA: Kluwer Academic Publishers.
- Wiederhold, G., 2001. *Database Design*. 2nd Edition. New York, USA: McGraw-Hill International Ltd.
- Xu, L. & Embley, D., 2003. Discovering Direct and Indirect Matches for Schema Elements. In *Proceedings of The 8th International Conference on Database Systems for Advanced Applications (DASFAA)*. Kyoto, Japan, 2003.
- Zhdanova, V. & Shvaiko, P., 2006. Community-Driven Ontology Matching. In *Proceedings of The 3rd European Semantic Web Conference (ESWC)*. Budva, Montenegro, 2006. June 11-14, 2006.
- Zhong, Q., Li, H., Li, J., Xie, G., Tang, J., Zhou, L. & Pan, Y., 2009. A Gauss Function Based Approach for Unbalanced Ontology Matching. In *Proceedings of The ACM SIGMOD International Conference on Management of Data (SIGMOD)*, 2009. June 29-July 2, 2009.
- Zhou, S., 2009. Mapping Relational Database for Semantic Web. In *Proceedings of The International Conference on Future Biomedical Information Engineering (FBIE)*. Liaocheng, China, 2009.