

## LIST OF PUBLICATIONS

### Fausto Rabitti

#### A) *International Journals*

- 1) D. Tschritzis, F. Rabitti, S. Gibbs, O. Nierstrasz, J. Hogg, "A System for Managing Structured Messages" IEEE Transactions on Communications, Vol. COM-30, No. 1, Part I, pp. 66-73, Jan. 1982.
- 2) E. Bertino, F. Rabitti, "Query Processing Based on Complex Object Types", Database Engineering, IEEE Computer Society, Vol.9, No.4, pp.22-29, 1986.
- 3) E. Bertino, F. Rabitti, S. Gibbs, "Query Processing in a Multimedia Document System", ACM Trans. on Office Information Systems, Vol.6, N.1, pp.1-41, 1988.
- 4) F. Rabitti, E. Bertino, W. Kim, D. Woelk, "A Model of Authorization for Next-Generation Database Systems", ACM Trans. on Database Systems, Vol. 16, N. 1, pp. 88-131, March 1991.
- 5) C. Meghini, F. Rabitti, C. Thanos, "Conceptual Document Modelling and Retrieval", Computer Standards and Interfaces, Special Issue on Office Document Architecture, North-Holland, Vol. 11, N. 3, pp.195-213, 1991.
- 6) P. Zezula, F. Rabitti, P. Tiberio, "Dynamic Partitioning of Signature Files", ACM Trans. on Information Systems, Vol.9, N. 4, pp.336-369, October 1991.
- 7) C. Meghini, F. Rabitti, C. Thanos, "Conceptual Modelling of Multimedia Documents", IEEE Computer, Vol.24, N. 10, pp. 23-29, October 1991.
- 8) F. Rabitti, P. Savino, "Automatic Image Indexation to Support Content-Based Retrieval", Information Processing and Management, Pergamon Press, New York, Vol. 28, N. 5, pp. 547-565, 1992.
- 9) N. Aloia, S. Barneva, F. Rabitti, "Supporting Physical Independence in Object Databases", Database Technology, Pergamon Press, Oxford, Vol. 4, N. 4, pp. 265-286, 1992.
- 10) P.Zezula, F. Rabitti, "Object Store with Navigation Accelerator", Information Systems, Pergamon Press, New York, Vol. 18, N. 7, pp. 429-461, 1993.
- 11) F. Rabitti, R.S. Sferrazza, M.G. Tori, and P. Zezula, "Estimating the Cost of Object Store Retrieval by PESOS". Object Oriented Systems, Chapman & Hall, Vol. 2, N. 2, pp. 155-185, 1995.
- 12) R. Morrison, A. England, Richard C. H. Connor, Malcolm P. Atkinson, Svetlana Barneva, Fausto Rabitti, Pavel Zezula, "Using continued fractions

for efficient subclass checking”, ACM SIGPLAN OOPS Messenger, Vol. 6, N. 2, April 1995, pp. 1-11. Volume 6, Number 2, April 1995

- 13) E. Locuratolo, F. Rabitti, "Conceptual Classes and System Classes in Object Databases", Acta Informatica, Springer International, Berlin, Vol. 35, pp. 181-210, 1998.
- 14) G. Amato, F. Rabitti, P. Savino, "Multimedia document search on the Web", *Computer Networks and ISDN Systems*, Vol. 30, pp. 604-606, 1998.
- 15) P. Zezula, P. Savino, G. Amato, F. Rabitti, "Approximate Similarity Retrieval with M-trees", *VLDB Journal*, Springer-Verlag, Heidelberg, Vol. 7, N. 4, pp. 275-293, 1998.
- 16) G. Amato, F. Rabitti, P. Savino, P. Zezula, "Region Proximity in Metric Spaces and its use for Approximate Similarity Search", *ACM Transactions on Information Systems*, Vol. 21, N.2, 2003)
- 17) Y. Yoannidis, D. Maier, S. Abiteboul, P. Buneman, S. Davidson, E. Fox, A. Halevy, C. Knoblock, F. Rabitti, H. Schek, G. Weikum, "Digital Library Information – Technology Infrastructure", *International Journal of Digital Libraries*, ISSN: 1432-5012 (paper) 1432-1300 (online), Springer-Verlag, 2005.
- 18) F. Rabitti, C. Meghini, "Intrinsic Limits and Possible Results in for Research in Multimedia Semantics", *Journal of Digital Information Management (ISSN 0972-7272)*, Vol. 3 No.4 -Dec 2005 Digital Information Research Foundation, 2005.

*B) Contributions to Books with International Edition*

- 1) F. Rabitti, "A Multimedia Document Model", in "Office Automation: Concepts and Tools", edited by D. Tschritzis, Springer-Verlag, 1985.
- 2) F. Rabitti, "The MULTOS Document Model", in "Multimedia Office Filing and Retrieval: The MULTOS Approach", edited by C. Thanos, North-Holland Series in Human Factors in Information Technology, North-Holland, 1990.
- 3) E. Bertino, F. Rabitti, "The MULTOS Query Language", in "Multimedia Office Filing and Retrieval: The MULTOS Approach", edited by C. Thanos, North-Holland Series in Human Factors in Information Technology, North-Holland, 1990.
- 4) E. Bertino, F. Rabitti, "Query Processing in MULTOS", in "Multimedia Office Filing and Retrieval: The MULTOS Approach", edited by C. Thanos, North-Holland Series in Human Factors in Information Technology, North-Holland, 1990.

- 5) P. Conti, F. Rabitti, "Image Retrieval by Semantic Content", in "Multimedia Office Filing and Retrieval: The MULTOS Approach", edited by C. Thanos, North-Holland Series in Human Factors in Information Technology, North-Holland, 1990.
- 6) G. Amato, S. Biscari, G. Mainetto and F. Rabitti "Overview of PIOS: a Physically Independent Object Server", in *Fully Integrated Data Environment*, M. P. Atkinson and R. Welland editors, Basic Research Series, Springer-Verlag, 1999, pp. 391-426. (ISBN 3-540-65772-X)
- 7) F. Rabitti, L. Benedetti and F. Demi "Query Processing in PIOS", in *Fully Integrated Data Environment*, M. P. Atkinson and R. Welland editors, Basic Research Series, Springer-Verlag, 1999, pp. 462-480. (ISBN 3-540-65772-X)
- 8) C. Gennaro, F. Rabitti, P. Savino "The Use of XML in a Video Digital Library", in "Intelligent Search on XML Data", H: Blanken, T: Grabs, H.J: Schek, R: Schenkel, G: Weikum Eds., Lecture Notes in Comp. Science, Vol. 2818, Springer, 2003, pp. 19-33.
- 9) P. Zezula , G. Amato, F. Rabitti, "Processing XML Queries with Tree Signatures", in "Intelligent Search on XML Data", H: Blanken, T: Grabs, H.J: Schek, R: Schenkel, G: Weikum Eds., Lecture Notes in Comp. Science, Vol. 2818, Springer, 2003, pp. 247-258.

C) *International Conferences*

- 1) F. Rabitti, S. Gibbs, "A Distributed Form Management System with Global Query Facilities" Proc. of the 2nd International Office Information Systems Conference, St. Maximin, France, Oct. 1981, and in "Office Information Systems", edited by N. Naffah, North Holland Publishing, Amsterdam, 1982.
- 2) N. Aloia, D. Apuzzo, F. Rabitti, R.Tamaro and C. Thanos, "A Framework for the Compilation of Parametric Transactions in a Distributed Database System", Proc. of the Seventeenth ACM-IEEE Hawaii International Conference on Systems Sciences, Honolulu, Hawaii, USA, Jan. 4-6, 1984.
- 3) F. Rabitti, "Modelling Multimedia Documents in Office Information Systems" Position Paper, Proc. of the Third Seminar on Distributed Data-Sharing Systems, Parma, March 28-30, 1984.
- 4) F. Rabitti, J. Zizka, "Evaluation of Access Methods to Text Documents in Office Systems" Proc. of the 3rd Joint BCS and ACM Symposium on Research and Development in Information Retrieval, Cambridge University Press, Cambridge, England, July 2-6, 1984.
- 5) D. Tschritzis, C. Thanos, F. Rabitti, S. Christodoulakis, S. Gibbs, E. Bertino,

- A. Fedeli, C. Faloutsos, P. Economopoulos, "Design Issues of a File Server for Multimedia Documents" Proc. ESPRIT-84 Conference, Brussels, Sept. 1984, and in "ESPRIT-84: Status Report of Ongoing Work", edited by J. Roukens and J. Renuart, North-Holland, 1984.
- 6) F. Barbic, F. Rabitti, "Multimedia Documents in Office Systems" Fourth Scandinavian Research Seminar on Information Modelling and Data Base Management, Tampere, Finland, June 5-7, 1985.
  - 7) F. Barbic, F. Rabitti, "The type concept in office document retrieval" Proc. 11th International Conference on Very Large Data Bases, Stockholm, Sweden, August, 1985.
  - 8) E. Bertino, S. Gibbs, F. Rabitti, C. Thanos, D. Tsichritzis, "Architecture of a Multimedia Document Server" Proc. ESPRIT-85 Conference, Brussels, Sept. 1985.
  - 9) N. Aloia, R. Gagliardi, F. Rabitti, C. Thanos, "An Extended DBMS Integrating Data and Text for Office Workstations" Proc. of the AFCET Conference "Information-Communication 86", Paris, June 1986.
  - 10) E. Bertino, S. Gibbs, F. Rabitti, C. Thanos, D. Tsichritzis, "A Multimedia Document Server" Proc. of the 6-th Advanced Database Symposium of the Information Processing Society of Japan, August 1986.
  - 11) E. Bertino, P. Constantopoulos, A. Converti, H. Eirund, A. Fitas, D. Konstantas, K. Kreplin, L. Martino, F. Rabitti, P. Savino, C. Thanos, M. Theodoridou, Y. Yeorgaroudakis, "Office Document Retrieval in MULTOS" Proc. ESPRIT-86 Conference, Brussels, Sept. 1986.
  - 12) E. Bertino, F. Dilonardo, P. Pennelli, F. Rabitti, P. Romanazzi, C. Thanos, "Il progetto di un sistema di gestione di un direttorio di rete" Proc. of CIL-87, Barcellona, March 18-20, 1987.
  - 13) E. Bertino, F. Dilonardo, P. Pennelli, F. Rabitti, P. Romanazzi, C. Thanos, "The Design of a Directory System" Proc. of the IFIP 6.5 International Working Conference on Message Systems, Munich, West Germany, 27-29 April 1987.
  - 14) F. Rabitti, P. Stanchev, "An Approach to Image Retrieval from Large Image Databases" Proc. ACM-SIGIR 1987 International Conference on Research and Development in Information Retrieval, New Orleans, June 3-5, 1987.
  - 15) P. Conti, F. Rabitti, "Retrieval of Multi-Media Document Images in MULTOS" Proc. ESPRIT-87 Conference, Brussels, Oct. 1987.
  - 16) F. Rabitti, D. Woelk, W. Kim, "A Model of Authorization for Object-Oriented and Semantic Databases", Proc. International Conference on Extending Data Base Technology, Venice, March 14-18, in Lecture Notes in

Computer Science, edited by G. Goos and J. Hartmanis, Springer-Verlag, pp. 231-250, 1988.

- 17) E. Bertino, F. Rabitti, C. Thanos, "MULTOS: a Document Server for Distributed Office Systems", Proc. International Conference on Extending Data Base Technology, Venice, March 14-18, in Lecture Notes in Computer Science, edited by G. Goos and J. Hartmanis, Springer-Verlag, pp. 606-615, 1988.
- 18) E. Bertino, F. Rabitti, S. Gibbs, "Document Query Processing Strategies: Cost Evaluation and Heuristics", Proc. ACM-IEEE Conference on Office Information Systems, Palo Alto (California), March 23-25, pp. 169-181, 1988.
- 19) E. Bertino, H. Eirund, K. Kreplin, F. Rabitti, P. Savino, C. Thanos, "MULTOS - a Filing Server for Multimedia Documents " Proc. First European Conference on Information Technology for Organizational Systems (EURINFO), Athens, May 16-20, 1988, in "Eurinfo '88", North-Holland, 1989.
- 20) F. Rabitti, P. Stanchev, "GRIM\_DBMS: a GRaphical IMage Data Base Management System" Proc. IFIP TC-2 Working Conference on Visual Database Systems, Tokyo, April 1989, in "Visual Database Systems", edited by T. L. Kunii, North-Holland, pp. 415-430, 1989.
- 21) F. Rabitti, P. Stanchev, "Image Database Management Systems: Applied Theories, Tools and Decisions" Proc. of the Third International Conference on Automatic Image Processing, CAIP-89, Leipzig, GDR, September 1989, in "Computer Analysis of Images and Patterns", edited by K. Voss, D. Chetverikov, G. Sommer, Akademie-Verlag, Berlin, pp. 208-214, 1989.
- 22) P. Conti, F. Rabitti, P. Savino, P. Stanchev, "Managing Uncertainty in a Multimedia Document System", Proc. Conference on Intelligent Management Systems, Bulgarian Academy of Sciences, Varna, Bulgaria, pp. 177-186, October 1989.
- 23) F. Rabitti, P. Savino, "Retrieval of Multimedia Documents by Imprecise Query Specification", Proc. International Conference on Extending Data Base Technology, Venice, March 26-30, 1990, in "Advances in Database Technology - EDBT'90", Lecture Notes in Computer Sciences, edited by F. Bancilhon, C. Thanos, D. Tsichritzis, Springer-Verlag, pp. 203-218, 1990.
- 24) F. Rabitti, P. Zezula, "A Dynamic Signature Technique for Multimedia Databases", Proceedings of the ACM SIGIR'90, International Conference on Research and Development in Information Retrieval, Brussels, Belgium, pp. 193-210, Sept. 1990.
- 25) F. Rabitti, P. Savino, "Automatic Image Indexation and Retrieval", Proceedings of RIAO-91, Barcelona, Spain, pp. 864-884, April 2-5, 1991.

- 26) F. Rabitti, P. Savino, "Query Processing on Image Databases", Proceedings of 2nd Working Conference on Visual Database Systems, IFIP WG 2.6, Budapest, Hungary, pp. 174-188, Sept. 30 - Oct.3, 1991.
- 27) F. Rabitti, P. Savino, "Image Query Processing Based on Multi-level Signatures", Proceedings of ACM SIGIR'91, International Conference on Research and Development in Information Retrieval, Chicago, Illinois, pp. 305-314, October 13-16, 1991.
- 28) P. Zezula, F. Rabitti, "An Efficient Store for Object Bases", Proc. of Twentyfifth ACM-IEEE Hawaii International Conference on Systems Sciences, Kaloa, Hawaii, USA, Vol.2, pp.756-766, Jan. 7-10, 1992.
- 29) F. Rabitti, P. Savino, "Querying Semantic Image Databases", SPIE/IS&T Symposium on Electric Imaging Science and Technology, San Jose, California, Febr. 9-14, 1992
- 30) N. Aloia, S. Barneva, F. Rabitti, "Physical Independence in Object Databases", Proc. of Second Far-East Workshop on Future Database Systems, Kyoto, Japan, April 26-28, 1992. Future Databases '92, Q. Chen, Y. Kambayashi, R. Sacks-Davis Editors, World Scientific, New York, pp.201-211,1992.
- 31) N. Aloia, S. Barneva, F. Rabitti, "Implementing Physical Independence in an Object Database Server", Proc. of ECOOP'92, Sixth European Conference on Object Oriented Programming, Utrecht, June 29 - July 3, 1992. Lecture Notes in Computer Sciences n. 615, Springer-Verlag, pp.396-412, 1992.
- 32) F. Rabitti, P. Savino, " An Information Retrieval Approach for Image Databases", Proc. of 18th International Conference on Very Large Data Bases, Vancouver, Canada, pp.574-585, Aug. 23-27, 1992.
- 33) F. Rabitti, R.S. Sferrazza, M.G. Tori, "Performance Evaluation System for Object Stores", Proc. of DEXA-93, 4th International Conference on Database and Expert Systems Applications, Prague, Czech Republic, September 6-8, 1993. Lecture Notes in Computer Sciences n. 720, Springer-Verlag, pp.289-300, 1993.
- 34) F. Rabitti, P. Savino, "Efficient Content Based Retrieval in Image Databases: A Probabilistic Approach", Proc. of SPIE/IS&T Symposium on Electric Imaging Science and Technology: Storage and Retrieval for Image and Video Databases, San Jose, California, 1994, pp. 48-58.
- 35) F. Rabitti, L. Benedetti and F. Demi, "Query Processing in PIOS", Proc. of POS-94, Sixth International Workshop on Persistent Object Systems, Tarascon, France, September 6-9, 1994. Workshops in Computing, Springer, pp. 415-440, 1995.
- 36) P. Ciaccia, F. Rabitti and P. Zezula, "Similarity Search in Multimedia

- Database Systems", Proc. First International Conference on Visual Information Systems - Visual96, Melbourne, Australia, Febr. 5-6, pp. 107-115, 1996.
- 37) P. Ciaccia, F. Rabitti and P. Zezula, "A Data Structure for Similarity Search in Multimedia Databases", 9th ERCIM DRG on Multimedia Database Systems, Darmstadt, Germany, March 18-19, 1996
  - 38) G. Amato, S. Biscari, G. Mainetto, F. Rabitti, "Multigranularity Locking with the Use of Semantic Knowledge in a Layered Object Server ", POS-96 Seventh International Workshop on Persistent Object Systems, Cape May, New Jersey, May 28-30, 1996
  - 39) F. Rabitti, L. Benedetti, F. Demi, "Query Processing in Distributed PIOS", DEXA-96, 7th International Conference on Database and Expert Systems Applications, Zurich, Switzerland, September 9-13, 1996.
  - 40) G. Amato, F. Rabitti, P. Savino, "Supporting image search on the Web", The Challenge of Image Retrieval: A symposium and Workshop on Image Retrieval, Newcastle upon Tyne, UK, February 5-6, 1998.
  - 41) G. Amato, F. Rabitti, P. Savino, P. Zezula, "Issues in processing similarity queries for multimedia databases", Proc. Fifth IDEA Workshop, (Integrated Data Environments - Australia), Fremantle, Western Australia, February 7-10, 1998, C.J. Barter and A.L. Brown (Eds.), pp. 90-95.
  - 42) P. Zezula, P. Savino, F. Rabitti, G. Amato, P. Ciaccia, "Processing M-trees with Parallel Resources", 8th International Workshop on Research Issues in Data Engineering (RIDE'98), Orlando, Florida, USA, February 23-24, 1998.
  - 43) F. Rabitti, G. Rossini, P. Savino, P. Venerosi, "Web learning environment evolution: integration and open problems", Proc. of the 9<sup>th</sup> DELOS Workshop, "Digital Libraries for Distance Learning", Brno (Czech Republic), 15-17 April 1999, pp. 97-102. (ISBN 2-912335-08-6)
  - 44) P. Zezula, P. Savino, P. Ciaccia, F. Rabitti, "On the Region Proximity in Metric Spaces", International Workshop on Similarity Search (IWOSS'99), Florence, Italy - 1st and 2nd Sept. 1999. In conjunction with 10th Int. Conf. on Database and Expert System Applications (DEXA'99). pp. 211-215
  - 45) F. Rabitti, "Support of multimedia services for distributed network training applications in CORBA-3", Proc. of the 9<sup>th</sup> DELOS Workshop, "Digital Libraries for Distance Learning", Brno (Czech Republic), 15-17 April 1999, pp. 13-19. (ISBN 2-912335-08-6)
  - 46) G. Amato, F. Rabitti, P. Savino, P. Zezula, "Estimating Proximity of Metric Ball Regions for Multimedia Data Indexing", ADVIS 2000, Int. Conf on Advances in Information Systems, Izmir, Turkey, 25-27 October 2000, Lecture Notes in Comp. Science, Vol. 1909, Springer, 2000, pp. 71-81.

- 47) G. Amato, F. Rabitti, P. Savino, P. Zezula, "Approximate Similarity Search in Metric Data by Using Region Proximity", Proc. of the 1st DELOS Network of Excellence Workshop on "Information Seeking, Searching and Querying in Digital Libraries", Zurich (Switzerland), 11-12 December 2000.
- 48) P. Zezula , G. Amato, F. Debole, F. Rabitti, "Tree Signatures for XML Querying and Navigation", First International XML Database Symposium, XSym 2003. In Conjunction with VLDB 2003, Berlin, Germany, Sept. 8, 2003, Lecture Notes in Comp. Science, Vol. 2824, Springer, 2003, pp. 149-163.
- 49) G. Amato, F. Debole, P. Zezula , F. Rabitti, "YAPI, Yet Another Path Index form XML Searching", 7th European Conference, ECDL 2003, Trondheim, Norway, Aug. 17-22, 2003, Lecture Notes in Comp. Science, Vol. 2769, Springer, 2003, pp. 176-187.
- 50) P. Stanchev, G. Amato, F. Falchi, C. Gennaro, F. Rabitti, P. Savino, "Selection of MPEG-7 Image Features for Improving Image Similarity Search on Specific Data Sets", CGIM-2004, IASTED International Conference on Computers, Graphics and Imaging, Kauai, Hawaii, USA, Aug. 17-19, 2004.
- 51) G. Amato, F. Falchi, C. Gennaro, F. Rabitti, P. Savino, P. Stanchev, "Improving Image Similarity Search Effectiveness in a Multimedia Content Management System", MIS 2004 - 10th International Workshop on Multimedia Information Systems, College Park, MD, USA, August 25-27, 2004.
- 52) G. Amato, F. Debole, F. Rabitti, P. Savino, P. Zezula, "A Signature-Based Approach for Efficient Relationship Search on XML Data Collections", XSym 2004 - Second International XML Database Symposium, August 29-30, In Conjunction with VLDB 2004 Toronto, Canada.
- 53) G. Amato, C. Gennaro, F. Rabitti, P. Savino, "MILOS: a Multimedia Content Management System for Digital Library Applications", 8th European Conference on Digital Libraries – ECDL-2004, September 12-17th, 2004, Bath, UK

D) *National Journals*

- 1) E. Bertino, A. Converti, A. Giuntini, G. Luxardo, F. Rabitti, P. Savino, "Text Retrieval Techniques for Office Documents" Olivetti Research & Technology Review, N.6, pp.37-52, 1986.
- 2) E. Bertino, S. Gibbs, F. Rabitti, C. Thanos, "The Design of a Multimedia Office Filing System", Rivista di Informatica (AICA), Vol.18, N. 3, pp. 197-223, 1987.



E) *Books with Italian Edition*

- 1) N. Aloia e F. Rabitti, "Il Linguaggio SQL: sintassi e utilizzo", G. E. Jackson, Milano, 1989.
- 2) P. Savino, G. Amato, C. Gennaro, F. Rabitti, "MILOS: un sistema di Content Management per lo sviluppo di Biblioteche Digitali" in "Contesti di trattamento dell'informazione multimediale e la prospettiva del MultiMedia Information Retrieval" AIB, Roma, 2005

F) *National Conferences*

- 1) N. Aloia, D. Apuzzo, F. Rabitti, R. Tamaro, C. Thanos, "La Compilazione di Transazioni Parametriche nel Sistema di Basi di Dati Distribuite DATANET/HERMES" Proc. Congresso Annuale AICA-83, Napoli, Sept. 28-30, 1983.
- 2) N. Aloia, F. Rabitti, C. Thanos, "Una Proposta per un Sistema di Gestione dell'Informazione di Ufficio" Proc. Congresso Annuale AICA-83, Napoli, Sept. 28-30, 1983.
- 3) N. Aloia, F. Rabitti, C. Thanos, "Caratteristiche Fondamentali di un Sistema per la Gestione della Informazione di Ufficio (SGIU)" Congresso Annuale AEI-83, Cagliari, Oct. 2-5, 1983.
- 4) N. Aloia, D. Apuzzo, F. Rabitti, R. Tamaro), "DOI: Un'interfaccia orientata ai documenti per l'immissione dati nei sistemi di gestione di basi di dati" Proc. Congresso Annuale AICA-84, Roma, Oct. 17-19, 1984.
- 5) F. Rabitti, P. Stanchev, "What can we do with Images in a Multi-Media Document Filing System?" Proc. Congresso Annuale AICA-84, Roma, Oct. 17-19, 1984.
- 6) E. Bertino, F. Rabitti, "Accesso a documenti multimedia in workstations avanzate" Proc. Congresso IDI-85, Mondovi', May 1985.
- 7) F. Rabitti, P. Stanchev, "Graphical Image Retrieval from Large Image Databases", Proc. Congresso Annuale AICA-87, Trento, Sept.30/Oct.2, pp. 69-89, 1987.
- 8) N. Aloia, S. Barneva, F. Rabitti, "Sistema di Memorizzazione per Basi di Dati ad Oggetti", Proc. Congresso Annuale AICA-92, Torino, Oct. 21-23, 1992.
- 9) N. Aloia, S. Barneva, G. Mainetto, F. Rabitti, P. Zezula, "Navigation Accelerators of PIOS", Proc. Convegno su Sistemi Evoluti per basi di Dati, Gizzeria (CZ), June 14-16, 1993, pp.91-106.

- 10) F. Rabitti, R.S. Sferrazza, M.G. Tori, P. Zezula, "PESOS: a Tool for Query Evaluation for Object Store Organizations", Proc. Convegno su Sistemi Evoluti per basi di Dati, Gizzeria (CZ), June 14-16, 1993, pp.107-124.
- 11) S. Biscari, G. Mainetto, F. Rabitti, "Controllo della concorrenza in un server a oggetti con indipendenza fisica", Proc. SEDB'95, Terzo Convegno Nazionale su Sistemi Evoluti per Basi di Dati, Costiera Amalfitana (SA), June 28-30, 1995, pp.385-402.
- 12) P. Ciaccia, M. Patella, F. Rabitti and P. Zezula, "Indexing Metric Spaces with M-tree", Proc. SEDB'97, Quinto Convegno Nazionale su Sistemi Evoluti per Basi di Dati, Verona, June 27-29, 1997.
- 13) G. Amato, F. Debole, P. Zezula, F. Rabitti, "A path index for efficient XML path expression processing". SEBD 2003 (Cetraro (CS), Italy, June 24-27, 2003). Proceedings, p. 21-28. Sergio Flesca, Sergio Greco, Domenico Saccà, Ester Zuppano (ed.). Rubettino, 2003.
- 14) G. Amato, C. Gennaro., F. Rabitti, P. Savino "MILOS: a Multimedia Content Management System". SEBD 2004 (S. Margherita di Pula (CA), Italy, June 21-23, 2004). Proceedings, p. 342-350. Sergio Flesca, M. Agosti, N Dessì, F. A. Schreiber (ed.). Lithos, 2004.
- 15) G. Amato, C. Gennaro, P. Savino, F. Rabitti, "MILOS: A multimedia Content Management System for Multimedia Digital Library Applications", 1st Italian Research Conference on Digital Library Management Systems, Padova, Jan. 28, 2005

G) *Invited Papers*

- 1) F. Rabitti, "Reti di comunicazione di calcolatori: concetti e utilizzo", in "Le banche di dati in Oncologia", edited by M. Laddaga, G. Silvano, Libreria Goliardica, Pisa, 1986.
- 2) E. Bertino, F. Rabitti, "Un Sistema per la Gestione di Documenti Multimedia", Proc. Giornata di Studio AICA-GLIR su "Sistemi non tradizionali di information retrieval per applicazioni di tipo decentrato", Padova, 1985.
- 3) E. Bertino, F. Rabitti, "Issues in Query Processing for Complex Objects" Position Paper, International Workshop on Multimedia Complex Objects, Taormina, June 15-17, 1987.
- 4) C. Meghini, F. Rabitti, "Issues in Modeling for Multimedia Objects" Position Paper, International Workshop on Multimedia Complex Objects, Taormina, June 15-17, 1987.
- 5) F. Rabitti, "Multimedia Document Filing and Retrieval: the MULTOS

System", ERCIM Workshop on Distributed Systems, User Interfaces and Multimedia, Decision Support Methods and Applications, Lisbon, Portugal, Nov. 14-15, 1991.

- 6) C. Meghini, F. Rabitti, C. Thanos, "Models for Multimedia Information Retrieval", Proc. of UNINFO Conference on Multimedia: Standard, Tecnologie e Applicazioni, Pisa, June 9-10, 1992.
- 7) N. Aloia, S. Barneva, F. Rabitti, "A Strategy for Object Store Organization", School Programming '92, Sofia, Bulgaria, July 1992.

*H) Technical Reports*

- 1) F. Rabitti, "Riconoscimento di sistemi distribuiti in una classificazione generale di sistemi di elaborazione", IEI-CNR Tech. Rep. B79-29, Pisa, Dec. 1979.
- 2) F. Rabitti, "Global requests in a distributed data base system for office automation purpose", IEI-CNR Tech. Rep. B80-17, Pisa, June 1980.
- 3) F. Rabitti, "Global Query Processing on Distributed Databases for Office Informations Systems", in "Omega Alpha", edited by D. Tschritzis, Tech. Rep. CSRG-127, Computer Systems Research Group, University of Toronto, Canada, March 1981.
- 4) F. Rabitti, "Distributed Query Processing", in the "European Economic Community - Per-development study on distributed data management systems", INRIA, pp. 6.1-6.19, Paris, Sept. 1982.
- 5) F. Rabitti, "Definition of a Unified Data Model for Multimedia Documents", ESPRIT Pilot Project n. 28, Mixed-Mode Message Filing System, Tech. Rep. EP-28-2, Apr. 1983.
- 6) C. Faloutsos, F. Rabitti, "Evaluation and Choice of Indexing Techniques", ESPRIT Pilot Project n. 28, Mixed-Mode Message Filing System, Tech. Rep. EP-28-4, June 1983.
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