Publications June 2013

Books and contributions to books

Jean Bacon, David M. Eyers and Jatinder Singh

"Securing event-based systems"

In: Principles and Applications of Distributed Event-based Systems

A. Hinze and A. Buchmann (Eds.), IGI Global, 2010

Jean M Bacon and Brian F Cooper (Eds.)

Middleware 2009: ACM/IFIP/Usenix 10th International Conference

Urbana Champaign IL, USA, November/December 2009, LNCS 5896, Springer 2009

Eiko Yoneki and Jean Bacon.

"Openness and Interoperability in Mobile Middleware".

In Mobile Middleware, ISBN 0-849-33833-6, CRC Press, October 2006.

Alan S. Abrahams, David M. Eyers, and Jean M. Bacon.

"Practical contract storage: Checking, and enforcement or business process automation."

In S.O. Kimbrough, D.J. Wu, (Eds.), Formal Modeling for Electronic Commerce: Representation, Inference, and Stategic Interaction. International Handbooks on Information Systems, pages 33-77. Springer, 2005.

Bacon J M

"Concurrent Systems: Operating systems, database and distributed systems, an integrated approach" (English, Japanese, Chinese, Russian), Addison Wesley, 1993, second edition 1998, third (for the OU) 2002 Bacon J M and Harris T L

"Operating Systems: Concurrent and distributed software design," Addison Wesley, 2003

Alan S. Abrahams, David M. Eyers, and Jean M. Bacon.

"Practical contract storage: Checking, and enforcement or business process automation"

In S.O. Kimbrough and D.J. Wu, editors, Formal Modeling in Electronic Commerce.

pp.33-77, International Handbooks on Information Systems, Springer 2004.

Jean Bacon and Ken Moody

"Access control in distributed systems", in "Computer Systems: Theory, technology and applications"

Eds. A Herbert, K Spark-Jones, Monographs in Computer Science, Springer, December 2003.

Bates J and Bacon J M

chapter "Multimedia Application Development Techniques" in edited book "Multimedia Systems and Applications" Vol II "Multimedia Tools and Applications", Kluwer, 1995

Bacon J M

"The Motorola MC68000, An Introduction to Processor, Memory and Interfacing", Prentice-Hall 1986 Bacon M D, Stokes A V and Bacon J M

"Computer Networks, Fundamentals and Practice", Chartwell-Bratt 1984

Bacon J M

"An Approach to Distributed Software Systems", selected for:

Distributed Computing: Concepts and Implementations, pp.33–44, eds. McEntire et al.

IEEE press 1984, from ACM Operating Systems Review 15(4), pp.62–74, Oct 1981

Journal papers - refereed

Jean Bacon, Andrei Iu Bejan, Alastair R. Beresford, David Evans, Richard J Gibbens, and Ken Moody.

"Using real-time road traffic data to evaluate congestion."

In LNCS 6875, pages 93-117. Springer, 2011.

Ken Moody, Jean Bacon, David Evans, and Scarlet Schwiderski-Grosche.

"Implementing a practical spatio-temporal composite event language."

In K. Sachs, I. Petrov, and P. Guerrero, eds., From Active Data Management to Event-Based Systems and More, LNCS 6462, pages 108-123. Springer, 2010.

Jean Bacon, David M. Eyers, Jatinder Singh, Brian Shand, Matteo Migliavacca and Peter Pietzuch.

"Securing Event-Based Systems"

In Information Technology: Special issue on Complex Event Processing.

Editors A. Buchmann and B. Koldehofe, Oldenbourg Wissenschaftsverlag, 2009.

A.S. Abrahams, D.M. Eyers and J.M. Bacon

"Structured storage of legal precedents using a minimal deontic ontology, for computer assisted legal document query" International Journal of Metadata, Semantics and Ontologies (IJMSO), 2009

K. Sachs, S Kounev and J Bacon

"Benchmarking message-oriented middleware using the specjms2007 benchmark"

Elsevier Performance Evaluation Journal, 2008

D M Eyers, J Bacon and K Moody

"OASIS role-based access control for electronic health records"

IEE Proceedings on Software, 153(1), pp.16–23, Feb 2006

Peter R. Pietzuch, Brian Shand, and Jean Bacon

"Composite Event Detection as a Generic Middleware Service"

IEEE Network, Special Issue on Middleware Technologies for Future Communication Networks, 18(1), pp.44-55, January/February 2004

J. Newman, H. Lowe, S. Neely, X. Gong, D. Eyers, J. Bacon

"A Tutorial Task and Tertiary Courseware Model for Collaborative Learning Communities".

Electronic Journal on E-Learning, 2(1), pp.159–166, March 2004. http://www.ejel.org Vinny Cahill et al.

"Using trust for secure collaboration in uncertain environments"

IEEE Pervasive Computing, 2(3), pp.52-61, August 2003.

J Bacon, K Moody and W Yao,

"Access control and trust in the use of widely distributed services"

Software-Practice and Experience 2003; 33, pp.375-394

J Bacon, K Moody and W Yao,

"A model of OASIS role-based access control and its support for active security".

ACM Transactions on Information and System Security (TISSEC), 5(4), pp.492–540, November 2002

Abrahams A S and Bacon J M

"A software implementation of Kimbrough's disquotation theory for representing and enforcing electronic commerce contracts." Group Decision and Negotiations Journal, 11(6),

Special issue on formal methods in electronic commerce, INFORMS, pp.1–38, November 2002.

Jon Crowcroft, Jean Bacon, Peter Pietzuch, George Coulouris, and Hani Naguib,

"Channel Islands in a Reflective Ocean: Large-Scale Event Distribution in Heterogeneous Networks".

IEEE Communications, 40(9), pp.112–115, September 2002.

J. Bacon and K. Moody

"Towards open, secure, widely distributed services"

Communications of the ACM, 45(6), pp.59–63, June 2002

J Bacon, K Moody, J Bates, R Hayton, C Ma, A McNeil, O Seidel and M Spiteri

"Generic Support for Asynchronous, Secure Distributed Applications"

IEEE Computer, 33(3), pp.68–76, March 2000

Jean Bacon

from the Editor-in-Chief, IEEE Concurrency, Parallel, Distributed and Mobile Computing,

"Clusters, open interoperability and mobility", April - June, 1999.

"Evolving concepts for new applications", July - Sept 1999.

"The new millennium - a Brave New World?", Oct - Dec 1999.

"Expectations and challenges in large-scale distributed systems", Jan - Mar 2000.

Bacon J, Hayton R, Moody K,

"Middleware for Digital Libraries", D-lib magazine, the magazine of digital library research, October 1998, http://www.dlib.org/dlib/october98/10contents.html

Bacon J and Halls D,

"Mobile applications for Ubiquitous Environments", ICL Systems Journal, 12(2), pp.264–288, Nov 1997 Bacon J, Bates J and Halls D,

"Mobile Multimedia Applications." ICL Systems Journal, 12(2), pp.289-314, Nov 1997

Bacon J, Bates J and Halls D,

"Location oriented multimedia" IEEE Personal Communications 4(5), pp.48–57, Oct 97

Bates J, Halls D, and Bacon J

"A Framework to Support Mobile Users of Multimedia Applications"

ACM Mobile Networks and Nomadic Applications (NOMAD),1(4), pp.409–419, 1996

http://www.baltzer.nl/nomad/1-4.html

Bates J and Bacon J M

"Supporting Interactive Presentation for Distributed Multimedia Applications"

Multimedia Tools and Applications (Kluwer), 1(1), pp.47–78, Feb 95

Huang F, Bacon J M and Mapp G

"Virtual Memory Support for Distributed Computing Environments Using a Shared Data Object Model." Distributed Systems Engineering Journal, 2(4), pp.202–211, December 1995.

Wu Z, Moody K, Bacon J M and Stroud R J

"The Design and Implementation of a Distributed Transaction System Based on Atomic Data Types" Distributed Systems Engineering Journal, 2(1), pp.50–64, 1995.

Bacon J M

"Education and Professional Education in Computer Science"

Cambridge Review, 112(2315), pp.173–177, December 1991

Vassiliades S, Sayers M D and Bacon J M

"A Protocol Comparison," Computer Communications 10(1), pp.3–14, Feb 87

Vassiliades S, Sayers M D and Bacon J M

"A Monitor Tool for a Network Based on the Cambridge Ring"

Software Practice and Experience 16(7), pp.671–687, July 1986

Bacon J M and Stokes A V

"A Distributed System for Educational Use"

Proc ACM ICS London Apr 81 and (invited) Computer Communications 4(4), Aug 1981

Bacon J M and Clayton F M

"Intermodulation Distortion in FM FDM Trunk Radio Systems in Two Path Fading Situations"

Proceedings of the IEE, 117(2), Feb 1970

Bacon J M and Medhurst R G

"A Super Directive Aerial Array with only one Fed Element"

Proceedings of the IEE 116(3), March 1969

International conferences and major workshops - refereed

Thomas Pasquier, Brian Shand, and Jean Bacon.

"Information flow control for a medical records web portal."

In IADIS e-Society 2013 (ES 2013), Lisbon, Portugal, March 2013.

J. Bacon, J. Singh, D. Trossen, D.Pavel, A. Bontozoglouand, N.Vastardis, K. Yang, S. Pennington, S. Clarke, and G.Jones. "Personal and social communication services for health and lifestyle monitoring."

Proc. First International Conference on Global Health Challenges (Global Health 2012),

with IARIA DataSys 2012, Venice, Italy, October 2012.

David Evans, David Eyers, and Jean Bacon.

"A model of information flow control to determine whether malfunctions cause privacy invasion."

In EuroSys 2012 Workshop on Measurement, Privacy, and Mobility, Bern, Switzerland, April 2012.

Jatinder Singh, David Eyers, and Jean Bacon.

"Disclosure control in multi-domain publish/subscribe systems."

In Proceedings DEBS 2011 (Distributed Event-based Systems), New York, July 2011. ACM.

P. Hosek, M. Migliavacca, I. Papagiannis, D. Eyers, D. Evans, B. Shand, J. Bacon, and P. Pietzuch.

"Safeweb: A middleware for securing Ruby-based web applications."

In ACM/IFIP/USENIX 12th International Middleware Conference, Lisbon, Portugal, Dec. 2011 Springer.

Jean Bacon, David Evans, David M. Eyers, Matteo Miglivacca, Peter Pietzuch and Brian Shand

"Big Ideas paper: Enforcing end-to-end application security in the cloud"

In Proceedings ACM/IFIP/Usenix Middleware 2010, C. Mascolo and I. Gupta (Eds.)

Bangalore, India, Dec 2010, LNCS Springer

Matteo Migliavacca, Ioannis Papagiannis, David M. Eyers, Brian Shand, Jean Bacon and Peter Pietzuch

"Information Flow Guarantees in Multi-Domain Distributed Applications"

In Proceedings ACM/IFIP/Usenix Middleware 2010, C Mascolo and I Gupta (Eds.)

Bangalore, India, Dec 2010, LNCS Springer

Andrei Bejan, Richard Gibbens, David Evans, Alastair Beresford, Jean Bacon, Adrian Friday.

"Statistical Modelling and Analysis of Sparse Bus Probe Data in Urban Areas".

Proceedings, 13th IEEE Conference on Intelligent Transportation Systems Madeira Island, Portugal, September 2010 Dan O'Keeffe and Jean Bacon

"Reliable Complex Event Detection for Pervasive Computing".

In Proceedings DEBS 2010 (Distributed Event-based Systems), Cambridge July 2010, ACM.

David Eyers, Luis Vargas, Jatinder Singh, Ken Moody and Jean Bacon

"Relational Database Support for Event-Based Middleware Functionality"

In Proceedings DEBS 2010 (Distributed Event-based Systems), Cambridge July 2010, ACM

David Evans, David M. Eyers, and Jean Bacon.

"Linking policies to the spatial environment".

In Proceedings, IEEE International Symposium on Policies for Distributed Systems and Networks, George Mason University, USA, July 2010.

Paris Kaimakis, Simon Hill, William Fitzgerald and Jean Bacon

"3D Multi-Car Tracking Based on Monocular Video"

Proceedings, CIP 2010: Second International Workshop on Cognitive Information Processing,

Special Session - Bayesian Machine Learning. Elba Island, Tuscany, June 2010.

Matteo Migliavacca, Ioannis Papagiannis, David M. Eyers, Brian Shand, Jean Bacon and Peter Pietzuch "DEFCon: High-Performance Event Processing with Information Security".

Proceedings Usenix Annual Technical Conference, Boston MA USA, June 2010

Ioannis Papagiannis, Matteo Migliavacca, David M. Eyers, Brian Shand, Jean Bacon and Peter Pietzuch "Enforcing User Privacy in Web Applications using Erlang"

In Proceedings 31st IEEE Symposium on Security & Privacy,

Workshop on Web 2.0 Security and Privacy (W2SP 2010), Oakland CA, USA, June 2010

Pedro Brandao and Jean Bacon.

"BSN Middleware: Abstracting Resources to Human Models".

In HealthInf, International Conference on Health Informatics, January 2009.

J Bacon et al.

"Time: An open platform for capturing, processing and delivering transport-related data."

Fifth IEEE Consumer Communications and Networking Conference, CCNC 2008, Session on Sensor Networks in Intelligent Transportation Systems, pages 687-691, Las Vegas, Nevada, US, January 2008.

Jean Bacon, David M. Eyers, Jatinder Singh, and Peter R. Pietzuch.

"Access control in publish/subscribe systems"

DEBS '08: Proceedings of the second international conference on Distributed event-based systems, pages 23–34, New York, USA, 2008. ACM

David M. Eyers, Sriram Srinivasan, Ken Moody, and Jean Bacon.

"Compile-time enforcement of dynamic security policies."

Policy 2008, IEEE 9th International Workshop on Policies for Distributed Systems and Networks, pages 119–126, Palisades, NY, USA, June 2008. IEEE Computer Society.

Kounev Samuel, Sachs Kai, Bacon Jean, and Buchmann Alejandro.

"A Methodology for Performance Modeling of Distributed Event-Based Systems."

Proceedings of the 11th International Symposium on Object/Component/Service-oriented

Real-time Distributed Computing (ISORC-2008), Orlando, Florida, USA, May 2008.

Jatinder Singh, Luis Vargas, and Jean Bacon.

"A model for controlling data flow in distributed healthcare environments."

Proceedings of Pervasive Health 2008: 2nd International Conference on Pervasive Computing

Technologies for Healthcare, pages 188–191, Tampere, Finland 30, January 2008.

Jatinder Singh, Luis Vargas, Jean Bacon, and Ken Moody.

"Policy-based information sharing in publish/subscribe middleware"

Policy 2008, IEEE 9th International Workshop on Policies for Distributed Systems and Networks,

pages 137–144, Palisades, NY, USA, June 2008. IEEE Computer Society.

Jatinder Singh and Jean Bacon.

" Event-based data dissemination control in healthcare".

Proceedings eHealth 2008 Conference, City University, London EC1, 2008. Springer CCIS. Jatinder Singh and Jean Bacon.

" Event-based data control in healthcare.

Proceedings Middleware '08 Conference Companion, pages 84–86, ACM 2008.

Jatinder Singh, David M. Eyers, and Jean Bacon.

"Controlling historical information dissemination in publish/subscribe".

Proceedings MidSec '08: workshop on Middleware security, pages 34–39, ACM 2008.

Jatinder Singh, David M. Eyers, and Jean Bacon.

"Credential management in event-driven healthcare systems".

Proceedings Middleware '08 Conference Companion, pages 48–53, ACM 2008.

Salman Taherian and Jean Bacon.

"Capturing high-level conditions, using a publish/subscribe middleware, in sensor systems."

Proceedings of the 4th IET International Conference on Intelligent Environments (IE08). IET, July 2008 Luis Vargas, Jean Bacon, and Ken Moody.

"Event-driven database information sharing."

In W. Alex Gray, Keith G. Jeffery, and Jianhua Shao, editors, BNCOD, volume 5071 of Lecture Notes in Computer Science, pages 113–125. Springer, 2008.

K Sachs, S Kouney, J Bacon, A Buchmann.

"Workload Characterization of the SPECjms2007 Benchmark".

Fourth European Performance Engineering Workshop (EPEW), Berlin, Sept 2007

L Pesonen, D Eyers, J Bacon.

"Encryption-Enforced Access Control in Dynamic Multi-Domain Publish/Subscribe Networks".

International Conference on Distributed Event-Based Systems (DEBS), pp.104-115. ACM Press, June 2007.

A Abrahams, D Eyers and J Bacon.

"Mapping legal cases to RDF named graphs using a minimal deontic ontology for computer-assisted legal inference" First ICAIL Workshop on Semantic Web technology for Law (SW4Law)

with International Conference on AI and Law, Stanford, Palo Alto, CA, June 8 2007

L Vargas, L Pesonen, E Gudes, and J Bacon.

"Transactions in content-based publish/subscribe middleware".

International Workshop on Distributed Event Processing, Systems and Applications (DEPSA'07),

with IEEE ICDCS, Toronto, June 2007. IEEE Computer Society

S Taherian, J Bacon,

"A Location-based Publish/Subscribe Protocol for Resource-Awareness"

First International Workshop on Localized Algorithms and Protocols for Wireless Sensor Networks (LOCALGOS), with International Conference on Distributed Computing in Sensor Systems (DCOSS), Santa Fe, USA, June 2007

"State-Filters for Enhanced Filtering in Sensor-based Publish/Subscribe Systems".

First International Workshop on Data Intensive Sensor Networks 2007 (DISN'07),

with International Conference on Mobile Data Management (MDM'07) Mannheim, Germany, May 2007

J Singh, J Bacon, K Moody.

"Dynamic trust domains for secure, private, technology-assisted living".

ARES 2007: Second International Conference on Availability, Reliability and Security, pp.27–34, Vienna, Apr 2007 Y Liu, J Bacon.

"A practical synthesis of dynamic role settings in telecare services".

First International Conference on the Digital Society(ICDS), pp.5-13, Guadeloupe, Jan 2007. IEEE Press.

Y Liu, J Bacon, R Wilson-Hinds.

"On smart-care services: Studies of visually impaired users in living contexts".

First International Conference on the Digital Society (ICDS), pp.32-40, Guadeloupe, Jan 2007. IE EE Press. Luis Vargas, Jean Bacon, and Ken Moody.

"Transactions in Distributed Event- Based Middleware". IEEE International Conference on Enterprise Computing, E-Commerce and E-Services (EEE06), pp.53–56, San Francisco June 2006 IEEE Press Lauri I.W. Pesonen, David M. Eyers, and Jean Bacon.

"A Capabilities-Based Access Control Architecture for Multi-Domain Publish/Subscribe Systems". Symposium on Applications and the Internet (SAINT 2006), pp.222-228, Jan. 2006. IEEE press.

Eiko Yoneki and Jean Bacon.

"Object Tracking using Durative Events". IFIP International Symposium

on Network-Centric Ubiquitous Systems (NCUS), LNCS 3823, pp.652-662, Japan, Dec. 2005, Springer Eiko Yoneki and Jean Bacon.

"Ubiquitous Computing: Challenges in Flexible Data Aggregation". IFIP International Conference on Embedded and Ubiquitous Computing (EUC), LNCS 3824, pp.1189-1200, Japan, Dec. 2005, Springer Eiko Yoneki and Jean Bacon.

" Unified Semantics for Event Correlation over Time and Space in Hybrid Network Environments".

IFIP International Conference on Cooperative Information Systems (CoopIS),

LNCS 3760, pp.366-384, Cyprus, Nov. 2005.

Jean Bacon, David Eyers, Ken Moody, and Lauri Pesonen.

"Securing Publish/Subscribe for Multi-Domain Systems".

Middleware 2005, LNCS 3790, pp.1–20, Grenoble, France, November 2005.

Lauri Pesonen and Jean Bacon.

"Secure Event Types in Content-Based, Multi-Domain Publish/Subscribe Systems".

International Workshop on Software Engineering and Middleware, Lisbon, Portugal, Sept 2005.

Steven Kimbrough, Alan Abrahams, Andrew Jones, David Eyers, and Jean Bacon.

"Introducing the Fair and Logical Trade Project".

Workshop on Contract Architectures and Languages (CoALa2005), Enschede, The Netherlands, Sept 2005.

David Eyers, Alan Abrahams, Jean Bacon, Steven Kimbrough, and Ken Moody.

"Message Representation and Inferencing in the Fair and Logical Trade Project".

Workshop on Formal Modeling for Electronic Commerce (FMEC2005), Bologna, Italy, June 2005.

Luis Vargas, Jean Bacon, and Ken Moody.

"Integrating databases with publish/subscribe". Proc. 4th International Workshop on

Distributed Event-Based Systems (DEBS'05), pp.392–397. IEEE Press, June 2005.

Nathan Dimmock, Jean Bacon, David Ingram, and Ken Moody.

"Risk models for trust-based access control (TBAC)". Proc. Third Annual Conference

on Trust Management (iTrust 2005), LNCS 3477, pp.364-371. Springer May 2005.

Eiko Yoneki and Jean Bacon.

"Unified semantics for event correlation over time and space in hybrid network environments".

IFIP CoopIS, LNCS 3760, pp.366–384, 2005

Eiko Yoneki and Jean Bacon.

"Determination of Time and Order for Event-Based Middleware in Mobile Peer-to-Peer Environments".

Proc. 3rd IEEE International Conference on Pervasive Computing and Communications,

Workshop on Mobile Peer-to-Peer Computing, pp.91–96, Kauai, USA, March 2005.

Yoneki, E. and Bacon, J.

"Distributed Multicast Grouping for Publish/Subscribe over Mobile Ad Hoc Networks"

IEEE Wireless Communications and Networking Conference (WCNC'05),

IEEE Communication Society, New Orleans, USA, March 2005.

Yoneki, E. and Bacon, J.

"Dynamic Group Communication in Mobile Peer-to-Peer Environments"

20th Annual ACM Symposium on Applied Computing (SAC'05), Santa Fe, USA, March 2005.

Jean Bacon.

"Expectations and reality in distributed systems". In T Fahringer and M H Hamza, editors,

Proceedings of IASTED International Conference on Parallel and Distributed Computing and Networks, pp.vii–xiv, Insbruck Austria, February 2005.

Nathan Dimmock, Andras Belokosztolszki, David Eyers, Jean Bacon, and Ken Moody.

"Using trust and risk in role-based access control policies" Proc. ACM Symposium

on Access Control Models and Technologies (SACMAT), pp.156–162, ACM June 2004.

Alan S. Abrahams, David M. Eyers, and Jean M. Bacon.

"An event-based paradigm for e-commerce application specification and execution"

Proc. 7th International Conf. on Electronic Commerce Research (ICECR7), pp.181–192, Dallas, June04.

E. Katsiri, J. Bacon, and A. Mycroft.

"An Extended Publish/Subscribe Protocol for Transparent Subscriptions to Distributed Abstract State in Sensor Driven Systems using Abstract Events"

Proc. International Workshop on Distributed Event-Based Systems, May 24-25, Edinburg, UK

E. Yoneki and J. Bacon

"Content-Based Routing with On-Demand Multicast".

24th International Conference on Distributed Computing Systems - Workshop on Wireless

Ad Hoc Networking (ICDCS - WWAN 2004), Tokyo, Japan, March 2004.

Alan S. Abrahams, David M. Eyers, and Jean M. Bacon.

"Regulating Web-based Communities", Proc. IADIS International Conference on Web Based Communities (WBC2004), Lisbon, Portugal, March 2004.

S. Neely, H. Lowe, D. Eyers, J. Bacon, J. Newman, X. Gong

"An Architecture for Supporting Vicarious Learning in a Distributed Environment"

ACM Symposium on Applied Computing (SAC 2004), Track on Engineering e-Learning Systems (ELS), Nicosia, Cyprus, March 14 - 17, 2004

Peter R. Pietzuch, Brian Shand, and Jean Bacon,

"A Framework for Event Composition in Distributed Systems"

Best paper award

In M. Endler and D. Schmidt, editors, Proc. 4th ACM/IFIP/USENIX International Conference

on Middleware Middleware'03), pp.62-82, Rio de Janeiro, Brazil, June 2003. Springer.

Peter R. Pietzuch and Jean Bacon.

"Peer-to-Peer Overlay Broker Networks in an Event-Based Middleware."

In H. Arno Jacobsen, editor, Proc. 2nd International Workshop on Distributed Event-Based Systems (DEBS'03), ACM SIGMOD, San Diego, USA, June 2003. ACM.

 $http://portal.acm.org/citation.cfm?id=966628 \center{E}jmp=references \center{E}dl=portal \center{E}dl=ACM$

Andras Belokosztolszki, David M. Eyers, Peter R. Pietzuch, Jean Bacon, and Ken Moody.

"Role-based access control for publish/subscribe middleware architectures"

In H. Arno Jacobsen, editor, Proc. 2nd International Workshop on Distributed Event-Based Systems (DEBS'03), ACM SIGMOD, San Diego, CA, USA, 2003. ACM.

 $http://portal.acm.org/citation.cfm?id=966622 \centsymbol{\&}{e}jmp=cit \centsymbol{\&}{e}dl=portal \centsymbol{\&}{e}dl=ACM$

Eiko Yoneki and Jean Bacon.

"Gateway: a Message Hub with Store-and-forward Messaging in Mobile Networks."

In Proc. 23rd IEEE International Conference on Distributed Computing Systems, Workshop

MCM - Mobile Computing Middleware, pp.348-353, Providence, Rhode Island, USA, May 2003.

Brian Shand, Nathan Dimmock and Jean Bacon, "Trust for Ubiquitous, Transparent Collaboration"

Proc 1st IEEE International Conference on Pervasive Computing and Communications (PerCom), pp.153–160, Dallas Fort Worth, Texas, USA, March 2003.

Abrahams A.S., Eyers D.M., and Bacon J.M.

"Mechanical Consistency Analysis for Business Contracts and Policies".

Proceedings, 5th International Conference on Electronic Commerce Research (ICECR5),

Montreal, Canada, pp.23–27 October 2002.

Abrahams, A.S., Eyers, D.M. and Bacon, J.M.

"A Coverage Determination Mechanism for Checking Business Contracts Against Organizational Policies".

3rd VLDB Workshop on Technologies for E-Services (TES'02). Hong Kong, China. August 2002.

Lecture Notes in Computer Science vol. 2444, pp.97–106, Springer 2002

Peter Pietzuch and Jean Bacon

"Hermes: A Distributed Event-Based Middleware Architecture".

Proceedings, First International Workshop on Distributed Event-Based Systems,

(IEEE ICDCS DEBS'02), Vienna, Austria, pp.611–618, July 2002.

Brian Shand and Jean Bacon

"Policies in Accountable Contracts". Policy 2002: IEEE 3rd International Workshop

on Policies for Distributed Systems and Networks, Monterey, California, U.S.A., pp.80–91, June 2002.

A. S. Abrahams and J. M. Bacon,

"The Life and Times of Identified, Situated, and Conflicting Norms"

Sixth International Workshop on Deontic Logic in Computer Science (DEON'02), London, May 2002.

J Bacon, K Moody and W Yao,

"Access Control and Trust in the use of Widely Distributed Services"

Middleware 2001, Springer, Lecture Notes in Computer Science, vol. 2218, pp.300–315, November 2001

A. S. Abrahams and J. M. Bacon,

"Representing and Enforcing E-Commerce Contracts Using Occurrences"

Proc 4th International Conference on Electronic Commerce Research (ICECR4), pp.59–82,

Dallas, Texas, USA, November 2001.

W Yao, K Moody, J Bacon

"A Model of OASIS Role-Based Access Control and its Support for Active Security"

Proceedings Sixth ACM Symposium on Access Control Models and Technologies, SACMAT 2001,

Chantilly, VA, USA, pp.171-181, May 2001

J Bacon, M Lloyd and K Moody

"Translating role-based access control policy within context". Policy 2001, Workshop on Policies

for Distributed Systems and Networks, Bristol, UK, January 2001, Springer LNCS 1995, pp.107–119, 2001

A. S. Abrahams and J. M. Bacon,

" Event-centric Business Rules in E-commerce Applications"

Workshop on Best Practices in Business Rule Design and Implementation, ACM Conference on

Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2000),

Minneapolis, Minnesota, USA, October 2000

J Bacon, A Hombrecher, C Ma, K Moody and W Yao,

"Event Storage and Federation using ODMG"

9th International workshop on persistent object systems, design, implementation and use (POS9), Norway, Sept 2000, Lecture Notes in Computer Science vol. 2135, pp.265–281, Springer 2001

J. H. Hine, W. Yao, J. Bacon, K. Moody

"An Architecture for Distributed OASIS Services"

Middleware 2000, Springer, Lecture Notes in Computer Science 1795, pp.104–120, April 2000

J Bates, M Spiteri, D Halls and J Bacon,

"Integrating Real-World and Computer-Supported Collaboration the Presence of Mobility", Proc. IEEE Workshops on Emerging Technologies in Collaborative Environments (WET'ICE) 1998, Workshop on Collaboration in the Presence of Mobility, pp.256–261, Stanford, CA USA. June 1998 Best paper award of workshop and conference.

Hayton R, Bacon J, Moody K, "OASIS: Access Control in an Open, Distributed Environment" Proc IEEE Symposium on Security and Privacy, Oakland CA, pp.3–14, May 1998

Ma C and Bacon J, "COBEA: A CORBA-Based Event Architecture"

Proc USENIX COOTS'98, pp.117–131, Santa Fe, New Mexico, USA, April 1998

Huang F and Bacon J

"Operating System Support for Flexible Coherence in Distributed Shared Memory"

Proc 29th Annual Hawaii International Conference on System Sciences, Vol I, pp.92–101, Jan 1996

Wu Z, Bacon J M, Moody K and Stroud R

"Data Consistency in a Distributed Persistent Object System"

Proc. 28th Annual Hawaii International Conference on System Sciences, Vol II, pp.635–644, Jan 1995 Bacon J M, Bates J, Hayton R J and Moody K

"Using Events to build Distributed Applications", Proc. IEEE SDNE Services in Distributed and Networked Environments, pp.148–155, Whistler, British Columbia, June 1995

Adly N, Bacon J M and Nagy M

"Performance Evaluation of A Hierarchical Replication Protocol: Synchronous versus Asynchronous", Proc IEEE SDNE Services in Distributed and Networked Environments pp.102–109, Whistler, British Columbia, June 1995

Bacon J M, Hayton R J, Lo S L and Moody K

"Access control for a modular, extensible storage service"

Proc IEEE SDNE, Services in Distributed Network Environments, pp.108–114, Prague, June 1994 Bates J and Bacon J M

"A Development Platform for Multimedia Applications in a Distributed, ATM Network Environment" Proc IEEE Internat. Conference on Multimedia Computing and Systems, pp.154–163, Boston May 1994 Li G and Bacon J M

"Supporting distributed real time objects"

Proc IEEE Workshop on parallel and distributed real-time systems, pp.138–143, Cancun Mexico, Apr 1994 Adly N, Bacon J M and Nagy M

"A Hierarchical, Asynchronous Replication protocol for Large Scale Systems"

Proc IEEE PADS, Princeton, New Jersey, Oct 1993

Moody K, Bacon J M, Bates J, Lo S L and Wu Z

"OPERA: Storage, Programming and Display of Multimedia Objects"

Proc IEEE Future Trends in Distributed Systems, Lisboa, Sept 1993

Bacon J M, Leslie I M and Needham R M

"Distributed Computing with a Processor Bank"

Workshop on Distributed Systems and Distributed System Management, Berlin 1989,

Springer Verlag LNCS 433, pp.147–161, eds. Schroder-Preikschat and Zimmer, 1990

Bacon J M, Horn C, Langsford A, Mullender S J and Zimmer W,

"MANDIS - Architectural Basis for Management"

Proc EUTECO, European Teleinformatics Conference, pp.795–810, Vienna, April 1988 Bacon J M and Hamilton K G

"Distributed Computing with RPC: the Cambridge Approach"

Proc IFIP WG 10.3, Amsterdam, pp.355–370, Oct 87

Langsford A et al.

"Distributed Systems Management in Wide Area Networks"

Proc EUTECO, European Teleinformatics Conference, pp.97–104, North Holland 1983

Bacon J M and Stokes A V

"A Distributed System for Educational Use"

Proc 6th ACM International Computing Symposium on System Architecture, pp.46–53, London, Apr 1981

Unrefereed International Journals

Jean Bacon (programme chair),

"Report on the Eighth ACM SIGOPS European Workshop"

Operating Systems Review 33(1), pp.6-17, January 1999.

Bacon J M, Hayton R J, Lo S L and Moody K,

"Extensible access control through a hierarchy of servers".

ACM Operating Systems Review, 28(3), pp.4–15, July 94

Bacon J M, Moody K, Thomson S E and Wilson T D

"A Multi-Service Storage Architecture",

ACM Operating Systems Review, 25(4), pp.47-65, October 1991

Jean Bacon

"An approach to distributed software systems"

ACM Operating Systems Review, 15(4), pp.62–74, October 1981, selected for

Distributed Computing: Concepts and Implementations, pp.33-44, eds. McEntire et al., IEEE press 1984

International Workshops - refereed

A. S. Abrahams and J. M. Bacon,

"Occurrence-centric e-commerce application specification and execution"

Workshop on Formal Modelling for Electronic Commerce (FMEC2001), Oslo, Norway, June 2001.

Bacon J, Bates J, Moody K and Spiteri M

"Using events for the scalable federation of heterogeneous components"

Proc. ACM SIGOPS European Workshop, Sintra, Portugal 1998, http://www.acm.org/sigops/EW98.

Halls D, Bates J, and Bacon J

"Flexible Distributed Programming using Mobile Code"

Proc ACM SIGOPS European Workshop, Connemara Ireland, Sept 1996,

http://www-sor.inria.fr/sigops96/papers/index.html

Hayton R, Bacon J, Bates J and Moody K

"Using Events to Build Large Scale Distributed Applications"

Proc ACM SIGOPS European Workshop, Connemara Ireland, Sept 1996,

http://www-sor.inria.fr/sigops96/papers/index.html

Bacon J M, Hayton R J, Lo S L and Moody K

"Modular, Extensible Storage Services through Object Interfaces"

ACM SIGOPS European Workshop, pp.141-146, Sept 1994

Li G and Bacon J M, "Real-time Thread Synchronisation in a Microkernel"

Proc IEE International Workshop on Systems Engineering for Real Time Applications

SERTA 93, Cirencester, UK, Sept 93