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Education

Bachelor of Electrical Engineering – Carleton University, (1969)
Master of Systems and Computer Engineering – Carleton University, (1976)

Employment History

Chairman – Bedarra Research Labs, (2003)
Founder – Bedarra Corporation (1997 – present)
Founder and CEO – *Object Technology International Inc.* (1988 – 1998)
President – Computer Based Information Systems Inc. (1977 - 1988)
Professor – School of Computer Science, Carleton University (1990 - 1991)
Associate Professor – School of Computer Science, Carleton University (1983 - 1990)
Manager – Systems Research, Dy-4 Systems, Inc. (1983 - 1984)
Assistant Professor – School of Business and School of Computer Science, Carleton University (1980 - 1982)
Assistant Professor– School of Business, Associate Director Computing Services, Carleton University (1976 - 1979)
President – Computer Based Information Systems Inc. (1977 - 1988)
Supervisor – Language and Technical Support Group, Computing Services, Carleton University (1972 - 1975)
Programmer/Analyst – Computing Services, Carleton, (1969 - 1971)

Industrial Affiliations

Chairman

Bedarra Corporation
Bedarra Research Labs
XIA Systems
Online-Learning

Board of Directors

Stilo
Bitflash
Amikanow
Robelle
Bluezone
IF Interface Consulting
IBM Object Technology International (1997-2001)

Advisory Boards

Microsoft Customer Advisory Board (2003)
Bluezone, Object Mentor US, Jaczone Sweden, Amikanow, Bitflash, Softv, Synop Australia, DSTC Australia, Kizoom UK, ICHU, Genteware Germany, Transform Research, Southern Cross Partners Australia, Kx Systems US, Objectime, Knowledge Systems Corporation US, Objective Systems Sweden (1997 – Present)

Angel Investor and Limited Partnerships

HBS Investments
Southern Cross Partners Australia
Kodiak
Tucker Anthony Fund of Funds US

Adjunct Research Professor

Information Technology And Electrical Engineering
Queensland University of Technology, Australia. (2001-Present)

Adjunct Research Professor

School of Computer Science
Carleton University (1991- present)

Additional Affiliations

Digital Composition Systems, Inc. US (1985-1989)
Digitalk Inc. US (1987-1989)
Dy-4 Systems, Inc. (1982 -1989)
IF Interface Consulting (1983-1986)

Professional Contributions

Program Committee Member – JAOO 2005

Program Committee Member – Agile Development 2005

Program Committee Member – NGWSP '05: International Work Conference on Next Generation Web Services Practices.

Program Committee Member – BPMDS '05: Sixth Workshop on Business Process Modeling, Development, and Support.

Editorial Board Member – Transactions On Aspect-Oriented Software Development, 2005

Director and Sponsor – Student Technology Venture Challenge, 2001-2003.

Founder – The Open Augment Consortium US, 2003.

Founding Director – Agile Alliance US, 2001-2003.

Technical Program Chair – Agile Development Conference 2003.

Chairman – Carleton University SCS Industrial Advisory Board, 2000-2002.

Board Member – AITO Germany, 1990 – Present.

Board of Directors – Ottawa Carleton Research Institute 1992 – 1994.

Program Committee Member – AOSD '2003 Agile XP Universe 2002, 2003.

Program Committee Member – OMG Integrate 2002, 2003.

Program Committee Member – OOPSLA '88 / '91/ '93/'94/'98 – Onward! 2002, 2003.

Program Committee Member – ECOOP' 89 / '91/'92/'93/'94/'95/'96.

Program Committee Member – ISOTAS '96 REFLECTIONS '96.

Program Committee Member – TOOLS '89 / '91 OMG Object World 90, 91.

Conference Co-Chairman, OOPSLA/ECOOP '90.

Tutorial Speaker and Panelist – ACM OOPSLA '89.

Advisory Board Member – Hotline on Object Oriented Technology, 1988-1991.

Associate Editor – Journal of Object Oriented Programming, 1988-1989.

Program Chairman – Tutorial Speaker and Panelist, ACM OOPSLA 87.

Member – Smalltalk Standards Group 1987.

Smalltalk Conference Moderator – Byte Information Network (BIX) 1987-1989.

Program Committee – Tutorial Speaker and Panelist, First ACM Conference on Object-Oriented Programming, Systems, Languages and Applications, October 1986.

CHIPAC Advisory Committee – Ottawa Public School Board, 1986-1988.

Founder – OCRI Distributed Computing Group 1986.

Member – Algonquin College for Computer Science Technology Advisor Board, 1982-1985.

Program Chairman – CIPS National Conference, 1983.

Member – CSA Committee on Database Management, 1980-1982.

Recommendations Committee – Interactive Computing at Penn State Library, Bucknell University, Xerox RTCC, and University of Tulsa, July 1979 - October 1979.

Vice-President and President – CIPS Ottawa, May 1979-1983.

Founder – CIPS Special Interest Group in EDP Security, October 1979.

Technical Committee Chairman – EXCHANGE, Xerox/Honeywell Computer Users Group, 1974 -1981.

Active Member – IEEE and ACM, Ongoing.

Industrial Contributions

Systems Software

IBM VisualAge For Smalltalk, Java, Java MicroEdition and Eclipse.org, 1992-2000.
Elected to the IBM Academy for contributions to Object-Oriented Software, 1997.
Object Oriented Prototyping System, Systems Explorations, Inc., 1990.
Object Oriented Multi-Process Testbed for Radar ESM Systems, DREO, 1986 - 1989.
Evaluation of RISC Processors, OTI, 1988.
Distributed Simulation/Gaming System in Smalltalk, DMOR, 1987 - 1989.
Supporting Special Purpose Graphics Processors in Smalltalk, DCS/DREO, 1987, 1988.
Interfacing AI languages with Harmony, Dy-4 Systems, April 1985.
Industrialization of the Harmony Realtime Operating System, Dy-4 Systems, 1984 - 1986.
Chairman CP-6 Operating System Committee, Honeywell Information Systems, 1976 - 1981.
Design and Implementation of a Resource Accounting System, Carleton University, 1972.
Implementation of a Multi-Archival File System, Carleton University, 1971.

Communication and Distributed Systems

FDDI Station Management Software, Dy-4 Systems, 1989.
Design and Implementation of a Protocol Tester for Open Systems, OTI, 1988 - 1989.
TCP/IP Software, Dy-4 Systems, 1987 - 1988.
Architecture of a Distributed Email System, OCRI, 1987.
A real-time TCP/IP network protocol DREO, 1986.
Using Gateways to Build Open Systems, OCRI and Dy-4 Systems, 1986.
Interconnecting incompatible LANs, PCRI and Dy-4 Systems, 1986.
Networking Requirements for the Museum of Civilization, 1985m 1987.
Distributed Scheme investigating simulating distributed algorithms, Carleton University, 1986 - 1987.
Architecture of a Heterogeneous Distributed Computer System, Dy-4 Systems, July 1983 - July 1984.
Design and implementation networking software for micro-computers, Dy-4 Systems, 1982 - 1983.

End User Facilities

Open Augment Consortium (2003)
Multi-user software engineering environment for Smalltalk, ENVY/Developer, OTI, 1990
Evaluation of Hypertext Systems, OTI 1989.
Object Oriented Design, General Electric Medical Systems, August, November 1987.
Object Oriented Design Using Smalltalk and Objective-C, Tektronix, August, October 1987.
User Interfaces for Multi-Media Medical Workstations, TRIO, 1988.
CAD/CAM Requirement for the Canadian Military Colleges, February 1986.
Review of Man-Machine Requirements for the New Museum of Man, National Museums, October, 1985.
Survey of Object Oriented Man-Machine Interface Tools for CAD/CAM, BNR, July - September 1985.
Technical Evaluation of The EMR Office Automation Field Trial, EMR, January 1984 - September 1985.
Office Automation Using Microcomputer Networks, R. L. Crain, March 1984.
Design of an Interactive Dialogue Manager, BNR, May 1982 - July 1984.
Design of an Advanced Home Computer Interface, IF Consulting, September 1982.

Electronic Publishing

Single Source Authoring and Publishing of eLearning Objects, Online-Learning.com, 2000-2003.
Content Engineering, Omnimark/Stilo, 2000-2002.
Design and Implementation of DbPublisher, a commercial database publishing system, DCS, 1988.
Evaluation of Special Purpose Graphics Processor, DCS and Dy-4, March 1987.
Design and Implementation of Object-Oriented User Interface, DCS, 1986 - 1987.
Architecture of an integrated PC-based technical publishing system, DCS, 1984 - 1986.
Architecture of a laser printer controller for Tex, Dy-4 Systems, March 1983.
Competitive Analysis of text processing systems, R. L. Crain, March 1980.
President's Task Force on text processing, Carleton University, 1975.

Data Base Management

Assessment of Object Oriented Data Base Systems, OTI 1989.
Design and Implementation of a Team Programming Environment for Smalltalk, DREO, 1988.
Object Oriented Data Base Support for Tactical Data, DMOR, 1987 - 1988.
Object Oriented Data Bases, BNR, 1986.
Design of Manufacturing Data Bases, Honeywell Canada, August 1981.
Design and Implementation of Efficient Database Validation, Conversion and Restructuring Software, Honeywell Information Systems, January 1979 - December 1981.
Design and Implementation of Retail Information Systems for CBIS and R. L Crain, 1976 - June 1979.
Design of a Citizens Band Licensing System, DOC, 1977

Programming Languages

Next Generation Programming Languages, 2002-2003.
Universal Virtual Machines and Multi-language IDEs, 1994 -2000
Smalltalk-Based Compiler Construction Tools, OTI, July 1989.
Embedded Smalltalk, OTI, 1988 - 1989.
Design and Implementation of Digitalk Smalltalk/V Mac, OTI, 1987 - 1989.
Object Oriented Programming and Smalltalk, University of Santa Cruz Extension Program, July 1988.
Object Oriented Programming and Smalltalk, Cognos Inc., April 1988 - 1989.
Object Oriented Design and Implementation of Embedded Systems, Allen-Bradley, February 1988.
Object Oriented Design and Implementation of Embedded Systems, DREO, October 1987.
Object Oriented Programming and Smalltalk, BNR, August 1987 - 1988.
Implementation of a Multitasking Smalltalk for Embedded Systems, Digitalk/DREO, 1986 - 1988.
OCRI Workshops On Smalltalk, Lisp, June 1985, 1986.
Design and Implementation of DOODL – OO Language For Distributed Systems, Dy-4 Systems, 1984.
CSA Programming Language Standards, Dy-4, May 1983.
Distributed C for investigating simulating distributed algorithms, Carleton University, 1982-1984.
Feasibility of Automatic Programming of Flight Simulators at CAE, Honeywell Canada, June 1981.
State of the Art Seminar - Programming Environments, Honeywell Information Systems, July 1980.
Designed and implemented a compiler for the ST8B Integrated Circuit Tester, BNR, February -June 1978.
Architecture of the CP-6 Pascal Compiler, Honeywell Information Systems, 1978.
Design of SCAN - Lexical Scanner Generator, Carleton University, 1975.
Chairman, CP-V Language Processor Technical Committee, Xerox, 1974 - 1975.
Implementation of the NEST, a BNR designed compiler-compiler, Carleton University, 1972.
Design of and Implementation of a Decision Table Translator, Carleton University, 1969.

Publications: Books, Journals and Conference Papers

Smalltalk With Style

Klimas, Edward J., Thomas, David A. and Skublics, Suzanne,
Prentice Hall, NJ 1996

Validation Algorithms for Pointer Values in DBTG Data Bases

Thomas, D.A., Pagurek, B., Buhr, R.J.
ACM Transactions on Data Base Systems, Volume 2, Number 4, December 1977, pp. 352 - 369.

Model Driven Development – The Case for Domain Oriented Programming

Dave Thomas and Brian M. Barry
ACM OOPSLA 2003 Conference Proceedings, October 2003.

The Impact of Object Oriented Languages on Design

Thomas, D. A. et al
CACM Special Issue on Object-Oriented Design, October 1990.

Actra - An Industrial Multitasking/Multiprocessing Smalltalk System

Thomas, D.A. et al.
Object Based Concurrency, MIT Press

Object-Oriented Programming

Thomas, D.A., LaLonde, W.R.

Advances in Artificial Intelligence in Software Engineering: Why Object-Oriented Extensions to C are Doomed to Fail

LaLonde, W.R., Thomas, D.A., McGugan, J.
IEEE Comcon, June 1989.

Smallscript - A User Interface Framework Integrating Smalltalk and Postscript

Haaland, K., Thomas, D.A.
Computer Graphics Interface 89, June 1989.

DbPublisher - Tex in Shining Armor

Thomas, D.A., Best, R.
WOODMAN'89, May 1989.

Orwell - A System to Support Multi-person Object-Oriented Programming

Thomas, D.A., Johnson, K.
ACM OOPSLA, October 1988.

EVA - An Event Driven User Interface for Smalltalk

McAffer, J., Thomas, D.A.
Computer Graphics Interface 88, June 1988.

Using Objects to Design and Build Radar ESM Systems

Barry, B., Thomas, D.A., et al
ACM OOPSLA, October 1987.

Smalltalk as a Programming Language for Robotics?

LaLonde, W.R., Thomas, D.A., Johnson, K.
IEEE Robotics and Automation Conference, June 1987.

Introducing Object-Oriented Programming into the Computer Science Curriculum

Pugh, J.R., LaLonde, W.R., Thomas, D.A.
1986 ACM Computer Science Conference.

An Exemplar Based Smalltalk

LaLonde, W.R., Thomas, D.A., Pugh, J.R.
ACM OOPSLA, October 1986.

Teaching Data Types - An Object-Oriented Approach

Pugh, J.R., LaLonde, W.R., Thomas, D.A.
CIPS Conference '86, April 1986.

Smalltalk: Discovering the System

LaLonde, W.R., Pugh, J.R., Thomas, D.A.
ACM North-East Regional Conference, October, 1985.

Actra: The Design of an Industrial Fifth Generation Smalltalk System

Thomas, D.A., LaLonde, W.R.
IEEE COMPINT '1985, September 1985.

Teaching Fifth Generation Computing: The Importance of Smalltalk

LaLonde, W.R., Thomas, D.A., Pugh, J.R.
CIPS Conference '1985, June 1985.

What Versus How - A View of Non-procedural Programming in the 80's

Thomas, D.A.
CIPS 1980 Conference, June 1980.

Database Reorganization and Conversion Software

Thomas, D.A., Pagurek, B.
CIPS 1979 Conference, June 1979.

Publications: Articles

The Unnecessary Tension between Process and Programmer

http://www.jot.fm/issues/issue_2006_01/column1

Thomas, D.A.

Journal of Object Technology, vol. 5, no. 1, January-February 2006, pp. 7-11

The (Re) Emergence of Agile Languages and Domain-Oriented Programming

http://www.jot.fm/issues/issue_2005_11/column1

Thomas, D.A.

Journal of Object Technology, vol. 4, no. 9, November-December 2005, pp. 7-10

Going Open Source in IT - Opportunities and Challenges

http://www.jot.fm/issues/issue_2005_03/column1

Thomas, D.A.

Journal of Object Technology, vol. 4, no. 2, March - April 2005.

Refactoring as Meta Programming?

http://www.jot.fm/issues/issue_2005_01/column1

Thomas, D.A.

Journal of Object Technology, vol. 4, no. 1, January-February 2005.

Using Active Objects for Structuring Service Oriented Architectures

http://www.jot.fm/issues/issue_2004_07/column1

Thomas, D.A. and Brian Barry

Journal of Object Technology 2(7):7-14, July-August 2004.

MDA: Revenge of The Modelers or UML Utopia-

Thomas, D.A.

IEEE Software, May 2004.

Message Oriented Programming

http://www.jot.fm/issues/issue_2004_05/column1

Thomas, D.A.

Journal of Object Technology 3(5):7-12, May-June 2004.

The Elusive Search for Business Frameworks

http://www.jot.fm/issues/issue_2004_01/column1

Thomas, D.A.

Journal of Object Technology 3(1):7-13, January-February

Model Driven Development – The Case for Domain Oriented Programming

[PDF Copy](#)

Thomas, D.A. and Brian M. Barry

ACM OOPSLA 2003 Conference Proceedings, October 2003.

The Impedance Imperative - Tuples + Objects + Infosets = Too Much Stuff!

Thomas, D.A.

Journal of Object Technology, September-October 2003.

Content Engineering – Time To Get Serious About Semi-Structured Information

Thomas, D.A.

Otland September 2003.

Content Engineering – Time To Get Serious About Semi-Structured Information

Thomas, D.A.

Otland September 2003.

Computational Diversity, Practice and a Passion for Applications

Thomas, D.A.

Journal of Object Technology 2 (1): 7-12 2003.

Agile Evolution - A Fresh Approach Software Maintenance

Thomas, D.A.

Otland Experts, June 2003.

Agile Evolution - A Fresh Approach Software Maintenance

Thomas, D.A.

Otland Experts, June 2003.

UML - Unified or Universal Modeling Language?

Thomas, D.A.

Journal of Object Technology, vol. 2, no. 1, January-February 2003, pp. 7-12.

Reflective Software Engineering - From MOPS to AOSD

Thomas, D.A.

Journal of Object Technology 1(4): 17-26 2002.

Agile Software Development - Promise and Challenges

Thomas, D.A.

Otland Experts, August 2002.

The Case For Disposable Software or "Big Architecture Not Always Essential"

Thomas, D.A.

Otland Experts, May 2002.

The Deplorable State of Class Libraries

Thomas, D.A.

Journal of Object Technology, vol. 1, no. 1, May-June 2002, pp. 21-27

UML - The Universal Modeling and Programming Language?

Thomas, D.A.

Otland Experts, September 2001.

Ubiquitous Applications: Embedded Systems to Mainframe

Thomas, D.A.

Communications of the ACM, October 1995, vol. 38. No 10

Travels with Smalltalk

Thomas, D.A.

SIGS Publications, Special Insert: 25 Years of Smalltalk, October 1995

Component-Based Software Construction

Thomas, D.A.

First Class, (Object Management Group) January-February 1995

Smalltalk and the AS/400: a marriage made with objects

Thomas, D.A.

News 3X/400, September 1992

Object Utopia

Thomas, D.A.

Object Magazine, November/December 1991

OOP: The Next Technology

Thomas, D.A.

Information 3X/400, February 1991

OOP: The Shape of Things to Come

Thomas, D. A., Best, R.

News 3X/400, September 1990.

New Messages

Thomas, D. A.

Journal of Object-Oriented Programming, November 1989.

Smalltalk +C - The Power of Two

Thomas, D.A., Best, R.

Dr. Dobbs Programming Journal, July, 1989.

In Search of An Object-Oriented Software Engineering Process

Thomas, D.A.

The Journal of Object-Oriented Programming, June 1989.

The Time/Space Requirements of Object-Oriented Programs

Thomas, D.A.

Journal of Object-Oriented Programming, March, 1989.

What's In An Object?

Thomas, D.A.

BYTE Magazine, March 1989.

Actra - A Multitasking/Multiprocessing Smalltalk System

Thomas, D.A. et al

ACM SIGPLAN Special Issue on Object-Based Concurrency, February, 1989.

Review of the Definicon 68020 Coprocessor

Thomas, D.A.

BYTE Magazine, October, 1987.

Conference Papers Presented

A View of Object-Oriented Computation in the 21st Century

Thomas, D.A.

Object-Oriented Systems Conference, Digital Consulting Inc., Chicago, December 1990.

A View of Object-Oriented Computation in the 21st Century

Thomas, D. A.

The Object-Oriented Systems Symposium, Digital Consulting Inc., Toronto, August 1990.

Managing Object-Oriented Software Engineering

Thomas, D.A. & Jacobsen, I.

Tools '90, Paris June 1990.

Object-Orient Technology: The Foundation for the Development of Advanced Open Architectures

Thomas, D. A.

Test Engineering Conference, Boston, June 1990.

ENVY - An Open Object-Oriented Environment for MAPLE

Thomas, D.A.

MAPLE '90, National Research Council of Canada, Ottawa, May 1990.

Managing Object-Oriented Software Engineering

Thomas, D.A., and Jacobson, I.

ACM OOPSLA Conference Tutorials, October, 1989.

Managing Object-Oriented Software Engineering

Thomas, D.A., and Jacobson, I.

TOOLS'89 Conference Tutorials, October 1989.

The Future of Smalltalk

Thomas, D.A.

IBM Smalltalk Symposium, August, 1989.

Smalltalk - A 5GL for Commercial Applications and Product Development

Thomas, D.A.

IBM Object-Oriented Programming Symposium, November, 1988.

A Survey of Object-Oriented Programming Systems

Thomas, D.A.

ACM OOPSLA Conference Tutorials, October, 1987.

A Survey of Object-Oriented Programming Systems

Thomas, D.A.

ACM OOPSLA Conference Tutorials, October, 1986.

Architecture of a Knowledge-Based Multi-Processor Command and Control Testbed

Thomas, D.A.

VME/Multibus Conference, June 1986.

Architecture of an Object-Oriented Factory Automation System

Thomas, D.A.

Northern Telecom Symposium of Flexible Manufacturing in the Electronics Industry, September, 1985.

Computing as a Discovery Process - Logo for Adults and Children

Thomas, D.A.

Third Conference of Women in Science, Engineering and Technology, May, 1985.

Database Auditing: Tools and Techniques

Thomas, D.A.

CICA International Computer Audit Symposium, November, 1981.

What Versus How - A View of Non-Procedural Programming in the 80's

Thomas, D.A.

Xerox Computer Users Group, December, 1980.

EDMS Database Design and Administration

Thomas, D.A.

Xerox Computer Users Group, January, 1979.

Publications: Technical Reports

Object-Oriented Programming and Ada

Thomas, D.A.
DREO, July 1989.

Guidelines for Object Oriented Programming

Thomas, D.A.
DREO, January, 1988.

Report on an Object-Oriented Program Development System

Thomas, D.A.
DREO, September, 1987.

Object-Oriented Design of Multi-Processor Realtime Systems

Thomas, D.A.
Dy-4 Systems, October, 1986.

A UDP-Based Protocol for Realtime LAN Communications

Thomson, D., and Thomas, D.A.
DREO, July, 1986.

Actra Project Research Report

Thomas, D.A., LaLonde, W.R. and Pugh, J.R.
April, 1986.

Survey of Man-Machine Interface Tools for CAD/CAM

Thomas, D.A., and Pugh, J.R.
BNR, September, 1985.

DREA Research Summary for 1983-84

LaLonde, W.R., Thomas, D.A., Pugh, J.R.
May 1984.

Dynasty - Architecture of a Heterogeneous Distributed Network Operating System

Thomas, D.A.
Dy-4, Oct 1983.

The Authorization Server - a Mechanism for Securing a Heterogeneous Network of Personal Workstations

Thomas, D.A.
Dy-4, December, 1983.

DOODL - The Dynasty Object Oriented Description Language

Thomas, D.A.
Dy-4, March 1984.

A Comparative Analysis of Office Modeling Techniques

Thomas, D.A., Canning, V.
R. L. Crain Ltd., June 1982.

DA - Review of Ironman Proposals

LaLonde, W.R., Thomas, D.A. and des Rivieres, J.
NTIS Reports, 1979.

Publications: Theses Supervised

APLTALK - A Definition and Implementation of Smalltalk Using The Contour Model

Gilchrist, I.

May, 1984.

BPE - A System for Business Programming by Example

White, P.

September, 1986.

Distributed Garbage Collection

Jew, Y.

August, 1986.

Towards a New Window System for Smalltalk

Nickel, R.

July, 1986.

A Garbage Collector for the Actra Smalltalk Multi-processor

Duimovich, J.

January, 1989.

Application Programmer Controlled Shared, Persistent Objects

Stringham, J.

August, 1990.

Unified Distributed Simulation

McAffer, J.

April 1990.

Towards Metrics for Object Oriented Languages

Haaland, K.

April 1992.

Describing Groups of Interacting Objects Using Path Expressions

Adams, G.

April 1992.

Believable Specifications: Organizing and Describing Object Interfaces Using Protocol Conformance

Thomson, D.

April 1993.

A Garbage Collector for Disk-Based Persistent Objects

Nguyen, T.

December 1994.

Talks, Seminars,

Dave has spoken extensively around the world as an invited guest at conferences, lectures, workshops and seminars. In that time, he has developed a solid reputation as an insightful, knowledgeable and thought-provoking speaker who's entertaining delivery style is an eclectic mix of wit, charm and humor.

Aspects: Passing Fad or New Foundation?

OOPSLA 2005 Panel

Fostering Software Robustness in an Increasingly Hostile World

OOPSLA 2005 Panel

Computational Diversity, Practice and a Passion for Applications

OOPSLA 2005 Onward

Scaling Agile Development

JAOO Conference, September 2005

6th Generation Languages - Back To The Future

JAOO Conference, September 2005

The Joy of Scripting

JAOO Conference, September 2005

Who Will Write Software in 10 Years from now - and Where?

DSL Panel of Experts JAOO Conference, September 2005

Model Engineering - The Role of Models in Software

UML Design World Keynote, June 13, 2005.

Transitioning AOSD from Research Park to Main Street

AOSD 2005 Conference Keynote, March 17, 2005.

Programming in the Large - The Challenges of Building Applications Using Modern Object Technology

Keynote, JAOO Conference, September 2004

Panel on Domain Driven Development

JAOO Conference, September 2004

Going Long and Deep - Building Sustainable Competitive Advantage with IC/IP

Ottawa Presidents Club, July 2004; Brockville TEA, May 2004

Worse is Worse: Challenges Building Large Scale Software with Class Libraries and Frameworks

ECOOP Workshop on Practical Problems of Programming in the Large, June 2004

First Class Execution: Actors and Messages

Invited Talk: 2nd Workshop on Object-Oriented Language Engineering for the Post-Java Era: Back to Dynamistic

Domain Oriented Programming

IBM Research, April 2004.

Open Augment – Back To The Future

XML 2003, Dec. 2003.

Content Engineering – Challenges and Opportunities

Omnimark Users Group, Baltimore, Dec 2002.

You Can' Do That With Smalltalk! – Can You? Lessons From The Past – Challenges For The Future

Dave Thomas, John Manzo, Narti Kitiyakara, Russell Stay, Aldo Dagnino at ESUG, August 2003.

Agile Experiences. XP/Agile Universe 2002

Chicago, August 2002.

Agile Software And The Agile Alliance

Agile Oz 2002, May 2002.

Scaling Agile Development

Agile Oz 2002, May 2002.

The Care and Feeding Of Angel Investors

OCRI TEB, April 24, 2002.

Computational Diversity and a Passion For Applications Objects are Not Everything

Net.ObjectDays 2001, Sept 2001.

Escape from Middleware - Application Development with and by Intelligent End-User

Net.ObjectDays 2001, Sept 2001.

Escape from Middleware - Application Development with and by Intelligent End-Users

Evolve Conference 2001: Pervasive Business, May 2001, Sydney Australia.

Aspect-Oriented Programming, Fad or the Future

Panel at the 14th European Conference on Object-Oriented Programming (ECOOP 2000).

Just In Time Software - A Process for Software Manufacturing, Software Architectures and Component Technology - The State of the Art in Research and Practice

University of Twente, Enschede, The Netherlands, January 2000.

Building Embedded Systems Using Objects, Components and Virtual Machines

STJA Conference, Erfurt Germany, Sept 1999.

The Technology and Sociology of Software Reuse: Experiences of a Playing Coach

Jav Aus 99, Sydney, Australia, February 1999

Visual Application Development – Lessons from the IBM Visual Age Experience

IEEE Visual Languages Conference, Halifax, Canada, September 1998

Universal Virtual Machines: Object Engines for Business and Engineering

Belgian Smalltalk Users Group, Leuven University, Belgium, July 1998

The Technology and Sociology of Software Reuse: Experiences of a Playing Coach

1998 Middleware Development Best Practices Conference, Toronto, May 1998

UVM Virtual Machines – Object Engines for Business and Engineering

Objetos Distribuidos '97, Curitiba, Brazil, December 1997

UVM Virtual Machines – Object Engines for Business and Engineering

CASCON '97, Toronto Nov 1997

Messages, MUDS and Massive Parallelism: Life after Java and WWW

ECOOP '97, Jyväskylä, Finland, June 1997

If ODP is the Answer, what is the Question? -- A Pragmatic Look at the Challenges of Building Enterprise Applications

ICODP'97, Toronto, May 1997

A Look Over the Horizon: What Hot Technologies/Markets are Next?

IBM World Wide Production Solutions, Orlando, April 1997

Just in Time for Software - I wish! Objects, Software, IC's, ORBS and all that Stuff

IBM World Wide Production Solutions, Orlando, April 1997

Managing Software Development in Web Time Software

Software Development Conference, San Francisco, March 1997

Life in the VisualAge: Can an Ant Marry an Elephant?

Gemstone AGM, Portland, January 1997

Distributed Objects and the Internet

TOOLS Pacific, Melbourne, November 1997

Visual Machines -- Object Engines for Business and Engineering

SIGS Object Expo Switzerland, Zurich, November 1996

Software Quality Assurance in the Era of Just in Time Software

61CSQ Conference, Ottawa, October 1996

Technology Executive Breakfast

OCRI, Ottawa, September 1996

Application Architecture – Staying on Course in Turbulent Seas

Object World Australia '96, Sydney, Aug 1996

Application Architecture – Staying on Course in Turbulent Seas

Object World Singapore, Singapore, Aug 1996

VisualAge – Mainframe to Set Top Box, Industrial R&D Experience on the Road to Object Utopia

IBM Embedded Systems Forum, New York, July 1996

Experience on the Road to Utopia: An Industrial Research and Development Perspective

COOTS '96, Toronto, June 1996

Distributed Technologies - Competing for a Network Centric World

Association of Computer Machinery, Nashville, May 1996

OO Technology Panel

IBM '96 Technical Interchange, Nashville, April 1996

Ubiquitous Smalltalk, COMMON '96

San Francisco, April 1996

Object Utopia Keynote Address

ISOTAS '96 Kanazawa March 1996

Ubiquitous Smalltalk, La Technologie Objet au coeur des systemes d'information

Ingenia, Paris, Feb 1996

Component Based Software Engineering Keynote Address

TRIO, January 1996

Software Quality Assurance

Software Engineering '95, Paris, November 1995

Ubiquitous Smalltalk: Mainframe to a Watch Keynote

OOPSLA '95, Austin, October 1995

OO Software Engineering Tutorial

Object World Frankfurt, October 1995

Software Quality Assurance Keynote Address

Object World Frankfurt, October 1995

Experiences on the Road to Utopia Keynote Address

ECOOP '95, Aarhus, Denmark, August 1995

Smalltalk Application Development and Delivery Tutorial

Object World Australia, Sydney, August 1995

Smalltalk Software Quality Assurance

Object World Australia, Sydney, August 1995

Component Based Software Development Keynote Address

Object World Australia, Sydney, August 1995

Component Based Software Engineering

COSAC, Carleton University, Ottawa, April 1995

Achieving a Competitive Edge in New Application Development: The Coming Revolution in Component Object Technologies

IIR, Client-Server Computing Summit, Taipei, February 1995

Component Based Software Engineering

Smalltalk Solutions '95, February 1995

Component Based Software Engineering Keynote Address

OOP'95, Munich, February 1995

Smalltalk: The OO 5GL for the Rest of Us

UBILABS, Zurich, November 1994

Component Based Software Engineering Keynote Address

Unican Executive Symposium on OT, Toronto, Oct 1994

Component Based Software Construction: The transition from craft to engineering

Object World Germany, Frankfurt, September 1994

Component Based Software Construction: The transition from craft to engineering

Object World Australia, Sydney, September 1994

Smalltalk: The Emergence of a Standard OO 5GL for Enterprise Computing

Database Client-Server World, Boston, June 1994

DND/CSE Conference, Ottawa, June 1994

CIPS, Toronto, April 1994

BCS UK Object Technology '94, Oxford, March 1994

Objex, San Francisco, March 1994

DCI Database Client-Server World, Chicago, December 1993

Object World Germany, Frankfurt, September 1993

Software World/Client-Server World, Toronto, May 1993

Experiences of a Project Manager: avoiding the potholes on the road to OO Utopia

Objex, San Francisco, March 1994 and OCRI ISO Seminar, February 1994

Object-Oriented Programming for Electronic Forms

Canadian Business Forms Assoc., Toronto, Oct 1993

Experiences of a Playing Coach and Smalltalk - an OO 5GL for the Rest of Us

Object World Australia, Sydney, September 1993

Teaching OO

SUNY Oswego OO Education Symposium, New York, March 1993

Technical Issues in OO Product Development

Object World, Boston, February 1993

Cooperative Processing, from Beginning to End

Fall Common, Anaheim, October 1992

The Role of Methods and CASE in OO Development

OOPSLA '92, Vancouver, October 1992

Object Utopia

IBM OOT Symposium, Boeblingen, Oct 1992

Managing OO Software Engineering, Developing Common applications using OOT and Commercial Applications Using OOT

Object World, San Francisco, July 1992

Repository: Living Memory or Paperless Archive

DSS Workshop, Hull, June 1992

Object-Oriented Modeling of Distributed Systems and ENVY: A Place for SW to Grow

Department of National Defense, OO Workshop, Valcartier, May 1992

Smalltalk: The OO 5GL for the Rest of Us

IBM Common, Atlanta, April 1992

Collaborative Distributed Applications Development and Experiences of a Playing Coach

Software World '92, Toronto, April 1992

Experiences of a Playing Coach

Software Development '92, Santa Clara, February 1992

Some of My Best Friends have Survived an Alliance

Government of Ontario, Chicago, February 1992

Experiences of a Playing Coach

Peopleware, Boston, September 1991

Implementing OO Languages

ACM/SIGPLAN PLDI, Toronto, June 1991

Development of Commercial Applications/Products Using Object-Oriented Technology

Object World, June 1991

Tools for the Developer and User

Patricia Seybold's Technology Forum, Boston, April 1991

Patent and Trademark Institute AGM, Ottawa, March 1991

Smalltalk in the Real World

BM Object-Oriented Technology Symposium, New York, February 1991

A View of Object-Oriented Computation in the 21st Century

Digital Equipment Computer Users Society (DECUS), Ottawa, February 1991

Application Modeling: A Just-In-Time Software Life Cycle for Smalltalk

IBM Office Technology Initiative, Dallas, December 1990

A View of Object-Oriented Computation in the 21st Century

Health and Welfare Canada, November 1990

A View of Object-Oriented Computation in the 21st Century

Colloquium Series, University of Toronto, Department of Computer Science, October 1990

Experience Packaging Products Developed with Smalltalk: Tuning for Time and Space

IBM- Watson Research Centre, August 1990

Object-Oriented Technology

Teleforum, N. Dean Meyer & Assoc., July 1990

Object-Oriented Projects: What Can Go Wrong

Moderator, SCOOP East, Boston, May 1990

A View of Object-Oriented Computation in the 21st Century

Canadian Information Processing Society (CIPS), Ottawa, May 1990

Object-Oriented Concepts

IBM SHARE Conference, March 1990

Object-Oriented Design

Ada in Sweden and Ada in Norway, November 1989

The Future of Smalltalk

NCR Corporation, October 1989

Managing Object-Oriented Software Engineering

CASEExpo'89, Sweden, Sept. 1989

Tools for Object-Oriented Software Development

CASEExpo'89, Sweden, Sept. 1989

Managing Object-Oriented Software Engineering

Allen-Bradley, August 1989

Software Engineering with Objects

University of Bari, May 1989

Object-Oriented Design

Hewlett Packard, February 1989

Actra - A Multi-processor Smalltalk System

Rockwell International Science Center, February 1989

Object Oriented Programming

Ministry of Transport, February, 1988

Software Engineering Tools for Smalltalk Programming

Apple Computer, December 1987

Using Smalltalk in Embedded Realtime Systems

BNR, September 1987

Using Smalltalk in Embedded Realtime Systems

Tektronix, August 1987

Visual Programming

Ottawa Human Factors Society, April 1987

Using Gateways to Build Open Systems

OCRI, December 1986

A Survey of Object Oriented Programming Systems

OCRI, September 1986

Actra - A Multi-processor Smalltalk System

Tektronix Research Laboratories, April 1986

Actra - A Multi-processor Smalltalk System

University of Montreal, February 1986

Fifth Generation Computer Systems

Municipal Information Systems Society, January 1986

Fifth Generation Computer Systems

High Tech Update, December 1985

Qualitative Visual Programming

BNR, July 1985

Artificial Intelligence and Fifth Generation Computers

OCRI, May 1985

Computing as a Discovery Process - Logo for Children and Adults

WISE, May 1985

Object-Oriented Data Bases

Mitel, March 1985

DOC Office Communications Seminar Chairman

October, December, February, and April 1984 - 1985

The Actra Project

OCRI Research symposium, December, 1984

Fifth Generation Financial Software

Cognos, June 1984

Local Area Networks

High Tech Update, December 1983

Data Administration Symposium

February 1980 - 1982

Office Automation Personal Computing

DOC December 1981

Software Engineering in the 80 's Keynote Address

Interexchange 1981

Woof - World of the Future

HCUA 1982

The Way Ahead

Interexchange 1980

Data Base Administration Tools

DPI, March 1980
