

AWARDS AND SCHOLARSHIPS

- 2010 **Undergraduate student advising** award -- College of Science, Purdue University
2007 **CAREER** award -- National Science Foundation
2002 **Advanced researcher** fellowship -- Swiss National Science Foundation
Postdoctoral researcher fellowship -- Swedish Research Council
2001 **Prize of excellence for an exceptional research contribution** -- EPFL
Best student paper award -- USENIX
1998 **Prize of excellence for an exceptional teaching contribution** -- EPFL

DEGREES

- 2001 **PhD** in Computer Science from EPFL.
1998 **MS** in Computer Science from EPFL.

MAJOR RESEARCH PROJECTS AT PURDUE UNIVERSITY

- 2008-2011 **Memory Management Innovations for SMP**
NSF Computer Networks and Systems project (budget: 0.3 Mio\$) on programming and memory models for next generation multi-core computers. Personal role: principal investigator, technical manager, researcher. Focus: programming language abstractions, garbage collection, memory management models, operating system support.
- 2008-2011 **A Holistic Approach to Reliable Pervasive Systems**
NSF Computer Networks and Systems project (budget: 0.4 Mio\$) on development support for reliable pervasive systems, with emphasis on debugging. Personal role: principal investigator, technical manager, researcher (co-PI X.Zhang). Focus: programming language runtime support, communication support, replay infrastructure.
- 2007-2012 **Pervasive Programming with Event Correlation**
NSF CAREER project (budget: 0.4 Mio\$) on support for pervasive programming. Personal role: principal investigator, technical manager, researcher. Focus: programming language abstractions, language extensibility, protocols, and algorithms for event routing.

PRIOR RESEARCH PROJECTS

- 2005-2011 **SCOOP (ETHZ)**
Hasler Foundation / Swiss National Science Foundation / Microsoft Rotor project (budget: ~1.5 Mio\$) on SCOOP (Simple Concurrent Object-Oriented Programming), a simple yet very powerful mechanism for concurrent computation. Personal role: co-PI, technical manager, researcher. Focus: programming language abstractions and algorithms for concurrency.
- 2004-2005 **PALCOM (EPFL)**
European IST FET project (budget: ~2 Mio \$) on research and development of a new perspective on ambient computing named palpable computing. Palpable denotes that systems

- are capable of being noticed and mentally. Personal role: technical manager for EPFL. Focus: programming abstractions and algorithms for pervasive programming.
- 2002-2004 PEPITO (EPFL)
European IST FET project (budget: ~2 Mio \$) on theory and practice of peer-to-peer computing. Personal role: technical manager for laboratory, researcher. Focus: programming abstractions and algorithms for peer-to-peer programming.
- 2001- Terminodes (EPFL)
Swiss National Science Foundation project (budget: ~10 Mio \$) on ad-hoc communication and computing. Personal role: researcher. Focus: fault-tolerant algorithms for ad-hoc communication.
- 2000- DACE (EPFL)
Umbrella project (budget: ~1.4 Mio \$) targeting the development of a middleware platform for large-scale distributed computing. Personal role: co-initiator, researcher, architect, developer.
- 1998-2000 OpenDREAMS (EPFL)
European ESPRIT project (budget: ~2 Mio \$). Development of an industrial CORBA platform for reliable distributed applications, integrating transactions, replication, persistence and real-time aspects. Personal role: technical manager for EPFL, researcher, architect, and developer. A Java prototype developed in this project was subsequently licensed by **Oracle Co.**

MAJOR INDUSTRIAL PROJECTS

- 2004 Web-Service Tracking (SUN)
Project conducted for Postal Services (budget: ~1 Mio \$). Implementation of a platform for secure and legally binding electronic exchange of documents, and tracking of administration procedures involving multiple such exchanges. Personal role: architect, developer.

PUBLICATIONS

BOOKS

- [1] P. Eugster: **ECOOP 2009 Workshop Reports**, Springer LNCS volume 5475. 2009.

BOOK CHAPTERS

- [1] P. Eugster: *Interfaces*. **Encyclopedia of Database Systems**, pages 1553-1557, Springer 2010.
- [2] P. Eugster, B. Garbinato, A. Holzer: *Middleware Support for Context-aware Applications*. **Middleware for Network Eccentric and Mobile Applications**, pages 305-319, Springer 2009.
- [3] V. Arslan, P. Eugster, P. Nienaltovski, and S. Vaucouleur: *SCOOP – Concurrency Made Easy*. **Dependable Systems: Software, Computing, Networks**, Springer LNCS 4028, pages 82-102, November 2006.
- [4] P. Altherr, S. Baehni, V. Bezençon, P. Eugster, R. Guerraoui, and M. Monod: *Pragmatic Distributed Type Interoperability*. **Global Data Management, Volume 8 Emerging**

Communication: Studies on New Technologies and Practices in Communication, IOS Press, pages 249-274, July 2006.

- [5] P. Eugster: *Probabilistic Guarantees and Algorithms for Ad-hoc Networks*. **Theoretical and Algorithmic Aspects of Sensor, Ad-hoc Wireless and Peer-to-Peer Networks**, CRC Press, pages 219-230, August 2005.
- [6] P. Eugster, R. Guerraoui, and J. Sventek: *Loosely Coupled Components*. **Software Architectures and Component Technology: The State of the Art in Research and Practice**, Kluwer, Chapter 8, October 2001.

MAGAZINE ARTICLES

- [1] P. Eugster, P. Felber, and F. LeFessant: *The "Art" of Programming Gossip-based Systems*. **ACM Operating Systems Reviews**, 41(5), pages 37-42, October 2007.
- [2] P. Eugster, R. Guerraoui, L. Massoulié, and A.-M. Kermarrec: *Epidemic Information Dissemination in Distributed Systems*. **IEEE Computer**, 37(5), pages 60-67, May 2004.
- [3] P. Eugster and R. Guerraoui: *Distributed Programming with Typed Events*. **IEEE Software**, 21(2), pages 56-64, March/April 2004.

JOURNAL ARTICLES

- [1] P. Eugster, B. Garbinato, and A. Holzer: *Pervaho: A Specialized Middleware for Mobile Context-aware Applications*. **Electronic Commerce Research**, Springer, 9(4), pages 245-268, 2009.
- [2] K. Hoffman and P. Eugster: *Co-operative Aspect-Oriented Programming*. **Science of Computer Programming**, Elsevier, 74(5-6), pages 333-354, 2009.
- [3] P. Eugster: *Type-based Publish/Subscribe: Concepts and Experiences*. **ACM Transactions on Programming Languages and Systems**, 29(1), January 2007.
- [4] P. Eugster and S. Vaucouleur: *Composing Atomic Features*. **Science of Computer Programming**, Elsevier, volume 63, pages 130-146, August 2006.
- [5] J. Luo, J.-P. Hubaux, and P. Eugster: *DICTATE: Distributed Certification Authority with Probabilistic Freshness for Ad-hoc Networks*. **IEEE Transactions on Dependable and Secure Computing**, 2(4), pages 311-323, October 2005.
- [6] P. Eugster and S. Baehni: *Object-Oriented Programming in Peer-to-Peer Systems*. **Concurrency and Computation: Practice and Experience**, Wiley & Sons, 17(7-8), pages 1053-1078, June 2005.
- [7] J. Luo, P. Eugster, and J.-P. Hubaux: *Probabilistic Reliable Multicast in Ad-hoc Networks*. **Journal of Wireless Communication and Mobile Computing**, Wiley & Sons, 2(4), pages 369-386, October 2004.

- [8] J. Luo, P. Eugster, and J.-P. Hubaux: *Pilot: A Probabilistic Group Communication System for Ad-hoc Networks*. **IEEE Transactions on Mobile Computing**, 3(2), pages 164-179, April-June 2004.
- [9] P. Eugster, R. Guerraoui, S.B. Handurukande, A.-M. Kermarrec, and P. Kouznetsov: *Lightweight Probabilistic Broadcast*. **ACM Transactions on Computer Systems**, 21(4), pages 341-374, November 2003. Cited 250 times according to Google Scholar
- [10] P. Eugster, P. Felber, R. Guerraoui, and A.-M. Kermarrec: *The Many Faces of Publish/Subscribe*. **ACM Computing Surveys**, 35(2), pages 114-131, June 2003. Cited 434 times according to Google Scholar.
- [11] P. Eugster, R. Boichat, and R. Guerraoui: *Effective Multicast in Large-Scale Distributed Systems*. **Concurrency and Computation: Practice and Experience**, Wiley & Sons, 13(6), pages 421-447, May 2001.
- [12] R. Guerraoui, P. Eugster, P. Felber, B. Garbinato, and K. Mazouni: *Experiences with Object Group Systems*. **Software: Practice & Experience**, Wiley & Sons, 30(12), pages 1375-1404, October 2000.

CONFERENCE PAPERS

- [1] P. Eugster and K.R. Jayaram: *EventJava: An Extension of Java for Event Correlation*. 23rd **AITO European Conference on Object Oriented Programming (ECOOP 2009)**, pages 570-594, July 2009. Acceptance: 25 papers of 177 (21%).
- [2] A. Kangarlou, P. Eugster, and D. Xu: *VNSnap: Taking Snapshots of Virtual Networked Environments with Minimal Downtime*. 39th Annual **IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2009)**, pages 524-533, June 2009. Acceptance: 37 papers of 177 (20.9%).
- [3] K. Hoffman, P. Eugster, and S. Jagannathan: *Semantics-Aware Trace Analysis*. 2009 **ACM International Conference on Programming Language Design and Implementation (PLDI 2009)**, pages 453-464, June 2009. Acceptance: 41 papers of 196 (21%).
- [4] H. Yuan and P. Eugster: *An Efficient Algorithm for Solving the Dyck-CFL Reachability Problem on Trees*. 18th **European Symposium On Programming (ESOP 2009)**, pages 175-189, March 2009. Acceptance: 26 papers of 98 (26.5%).
- [5] C. Line, K.R. Jayaram, and P. Eugster: *Lazy Argument Passing in Java RMI*. 6th **ACM International Conference on Principles and Practices of Programming in Java (PPPJ 2008)**, September 2008.
- [6] K. Hoffman and P. Eugster: *Towards Reusable Components with Aspects: An Empirical Study on Modularity and Obliviousness*. 30th **ACM / IEEE International Conference on Software Engineering (ICSE 2008)**, May 2008. Acceptance: 56 papers of 371 (15.1%).

- [7] K. Hoffman and P. Eugster: *Bridging Java and AspectJ through Explicit Join Points*. 5th **ACM International Conference on Principles and Practices of Programming in Java (PPPJ 2007)**, pages 63-72, September 2007.
- [8] J. Thomas, F. Paci, E. Bertino, and P. Eugster: *User Tasks and Access Control over Web Services*. 2007 **IEEE International Conference on Web Services (ICWS 2007)**, pages 60-69, July 2007. Acceptance: 18%
- [9] A. Leitner, P. Eugster, M. Oriol, and I. Ciupa: *Reflecting on an Existing Programming Language*. 2007 **International Conference on Technologies of Object-oriented Languages and Systems Europe (TOOLS Europe 2007)**, pages 60-69, June 2007. Acceptance: 24 papers of 78 (30%).
- [10] S. Baehni, J. Barreto, P. Eugster, and R. Guerraoui: *Efficient Distributed Subtyping Tests*. 2007 **ACM / IEEE / Usenix International Conference on Distributed Event-based Systems (DEBS 2007)**, pages 214-225, June 2007.
- [11] S. Balzer, T. Gross, and P. Eugster: *A Relational Model of Object Collaborations*. 21st **AITO European Conference on Object-Oriented Programming (ECOOP 2007)**, pages 323-346, June 2007. Acceptance: 25 papers of 160 (15.6%).
- [12] P. Eugster: *Uniform Proxies for Java*. 21st **ACM Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2006)**, pages 139-152, October 2006. Acceptance: 26 papers of 157 (16.5 %).
- [13] P. Eugster, B. Garbinato, and A. Holzer: *Pervaho: A Development and Testing Platform for Mobile Ad Hoc Applications*. 3rd **ACM/IEEE Annual International Conference on Mobile and Ubiquitous Systems, Networks and Services (MobiQuitous 2006)**, July 2006.
- [14] T.G. Bay, P. Eugster, and M. Oriol: *Generic Component Lookup*. 9th **SIGSOFT Symposium on Component-based Software Engineering (CBSE 2006)**, pages 182-108, June 2006.
- [15] V. Arslan, P. Eugster and P. Nienaltowski: *Modeling Embedded Real-time Applications with Objects and Events*. 12th **IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS 2006)**, April 2006.
- [16] P. Eugster, B. Garbinato, and A. Holzer: *Location-Based Publish/Subscribe*. 4th **IEEE International Symposium on Network Computing and Applications (NCA '05)**, July 2005.
- [17] S. Baehni, P. Eugster and R. Guerraoui: *Data-Aware Multicast*. 5th **IEEE International Conference on Dependable Systems and Networks (DSN 2004)**, pages 233-242, June 2004. Acceptance: 58 papers of 276 (21 %).
- [18] P. Eugster, C. H. Damm, and R. Guerraoui: *Towards Safe Distributed Application Development*. 26th **ACM / IEEE International Conference on Software Engineering (ICSE 2004)**, pages 347-356, May 2004. Acceptance: 58 papers of 276 (13.3%).

- [19] P. Eugster, R. Guerraoui, and P. Kouznetsov: *Delta-Reliability: A Probabilistic Measure of Broadcast Reliability*. 24th **IEEE International Conference on Distributed Computing Systems** (ICDCS 2004), pages 636-643, March 2004. Acceptance: 84 papers of 475 (17.7%).
- [20] C.H. Damm, P. Eugster, and R. Guerraoui: *Programming Language Support for Distributed Programming Abstractions*. 24th **IEEE International Conference on Distributed Computing Systems** (ICDCS 2004), pages 244-251, March 2004. Acceptance: 84 papers of 475 (17.7%).
- [21] S. Baehni, P. Eugster, R. Guerraoui, and P. Altherr: *Pragmatic Type Interoperability*. 23rd **IEEE International Conference on Distributed Computing Systems** (ICDCS 2003), pages 404-411, July 2003. Acceptance: 72 papers of 406 (17.7%).
- [22] J. Luo, J.-P. Hubaux, and P. Eugster: *Pan: Providing Reliable Storage in Mobile Ad-hoc Networks with Probabilistic Quorum Systems*. Fourth **ACM International Symposium on Mobile Ad Hoc Networking and Computing** (MobiHoc 2003), June 2003.
- [23] J. Luo, P. Eugster, and J.-P. Hubaux: *Route Driven Gossip: Probabilistic Reliable Multicast in Ad Hoc Networks*. **IEEE INFOCOM** 2003 Conference, March 2003. Acceptance: 224 papers of 1078 (20.8%).
- [24] P. Eugster and S. Baehni: *Abstracting Remote Object Interaction in a Peer-to-Peer Environment..* **ACM Java Grande – ISCOPE** 2002 Conference, pages 46-55, November, 2002.
- [25] S. Baehni, P. Eugster, and R. Guerraoui: *OS Support for Peer-to-Peer Programming: A Case for Type-based Publish/Subscribe*. 22nd **IEEE International Conference on Distributed Computing Systems** (ICDCS 2002), pages 355-362, July 2002. Acceptance: 61 papers of 331 (18.4%).
- [26] P. Eugster and R. Guerraoui: *Probabilistic Multicast*. 3rd **IEEE International Conference on Dependable Systems and Networks** (DSN 2002), pages 312-322, June 2002. Acceptance: 48 papers of 156 (30.7%).
- [27] P. Eugster, R. Guerraoui, and C.H. Damm: *On Objects and Events*. 16th **ACM Conference on Object-Oriented Programming Systems, Languages and Applications** (OOPSLA 2001), pages 131-146, October 2001. Acceptance: 27 papers of 145 (18.6%).
- [28] P. Eugster, R. Guerraoui, S. Handurukande, A.-M. Kermarrec, and P. Kouznetsov: *Lightweight Probabilistic Broadcast*. 2nd **IEEE International Conference on Dependable Systems and Networks** (DSN 2001), pages 443-452, July 2001. 53 papers of 153 (34.6%).
- [29] P. Eugster and R. Guerraoui: *Content-Based Publish/Subscribe with Structural Reflection*. 6th **USENIX Conference on Object-Oriented Technologies and Systems** (COOTS '01), pages 131-146, January 2001.
- [30] P. Eugster, R. Guerraoui, and J. Sventek: *Distributed Asynchronous Collections: Abstractions for Publish/Subscribe Interaction*. 14th **AITO European Conference on Object-Oriented Programming** (ECOOP 2000), pages 252-276, June 2000. Acceptance: 20 papers of 109 (18.3%).

- [31] P. Felber, X. Défago, P. Eugster, and A. Schiper: *Replicating CORBA Objects: A Marriage between Active and Passive Replication*. Second **IFIP WG 6.1 International Working Conference on Distributed Applications and Interoperable Systems** (DAIS '99), pages 375-387, July 1999.

WORKSHOP PAPERS

- [1] K.R. Jayaram and P. Eugster: *Context-oriented Programming with EventJava*. **International Workshop on Context-oriented Programming** (COP '09) at the 23rd AITO European Conference on Object Oriented Programming (ECOOP 2009), July 2009.
- [2] T. Wrigstad, P. Eugster, J. Field, N. Nystrom and J. Vitek. *Software Hardening: A Research Agenda*. **1st International Workshop on Script to Program Evolution** (STOP) at ECOOP 2009, July 2009.
- [3] A. Kangarlou, P. Ruth, D. Xu, and P. Eugster: *Taking Snapshots of Virtual Networked Environments*. **IEEE International Workshop on Virtualization Technology in Distributed Computing** (VTDC 2007) in conjunction with the ACM / IEEE International Conference for High Performance Computing, Networking, Storage, and Analysis (SC'07), November 2007.
- [4] K. Hoffman, M. Ramanathan, P. Eugster, and S. Jagannathan: *Aspect-based Introspection and Change Analysis for Evolving Programs*. 5th International **Workshop on Reflection, AOP, and Meta-Data for Software Evolution** (RAM-SE'07) at the 21st AITO European Conference on Object-Oriented Programming (ECOOP 2007), July 2007.
- [5] S. Vaucouleur and P. Eugster: *Atomic Features*. **Workshop on Synchronization in Concurrent Object-Oriented Languages** (SCOOOL'05) at the 20th ACM Conference on Object-Oriented Systems, Languages, and Applications (OOPSLA'05), October 2005.
- [6] S. Balzer, P. Eugster, and B. Meyer: *Can Aspects Implement Contracts?* 2nd **International Workshop on Rapid Integration of Software Engineering Techniques** (RISE 2005), September 2005.
- [7] M. Brahami, P. Eugster, R. Guerraoui and S.B. Handurukande: *BGP-based Clustering for Scalable and Reliable Gossip Broadcast*. **IST / FET International Workshop on Global Computing** 2004, pages 273-290, March 2004.
- [8] P. Eugster, P. Felber, R. Guerraoui, and S.B. Handurukande: *Event Systems: How to Have One's Cake and Eat It Too*. First **International Workshop on Distributed Event-Based Systems** (DEBS '02) at the 22nd IEEE International Conference on Distributed Computing Systems (ICDCS 2002), pages 625-630, July 2002.

THESES

- 2001 P. Eugster: *Type-based Publish/Subscribe*, Swiss Federal Institute of Technology in Lausanne (EPFL), PhD Thesis, December 2001.
- 1998 P. Eugster: *Passive Object Replication in CORBA*, Swiss Federal Institute of Technology in Lausanne (EPFL), MS Thesis, March 1998.

TEACHING ACTIVITIES

- 2010 Spring **Programming Languages** (CS456) for undergraduate Computer Science students at Purdue University (15 participants).
- 2009 Fall **Advanced Topics in Distributed Systems** (CS603) for graduate Computer Science students at Purdue University (12 participants).
- Spring **Distributed Systems** (CS505) for graduate Computer Science students at Purdue University (18 participants).
- 2008 Fall **Software Engineering** (CS307) for undergraduate Computer Science students at Purdue University (20 participants).
- Spring **Programming Languages** (CS565) for graduate Computer Science students at Purdue University (16 participants).
- 2007 Fall **Software Engineering** (CS307) for undergraduate Computer Science students at Purdue University (28 participants).
- Spring Seminar on Event-based **Distributed Programming** (CS590E) for graduate Computer Science students at Purdue University (10 participants).
- 2006 Fall **Advanced Topics in Distributed Systems** (CS603) for graduate Computer Science students at Purdue University (8 participants).
- Spring Seminar on **Distributed Programming** (CS590E) for graduate Computer Science students at Purdue University (7 participants).
- 2005 Spring Lectures in **Concurrent Object-Oriented Programming** for undergraduate and graduate Computer Science students at ETHZ (15 participants). Chosen best class by students.
Seminar on Advanced **Concurrent Object-Oriented Programming** for undergraduate and graduate Computer Science students at ETHZ (8 participants).
- 2002-2004 Lectures in **Object-Oriented Programming** for undergraduate Computer Science students at EPFL (sophomore level, ~100 participants).
- 2000-2001 Lectures in **Distributed Programming** for undergraduate (junior level, ~60 participants) and graduate (~30 participants) Communication Systems students at EPFL.
- 1998-1999 Lectures in **Distributed Programming with CORBA** for Graduates at EPFL (~60 participants from industry).
- 1998-1999 Lectures in **Distributed Programming with CORBA** for undergraduate Computer Science students at EPFL (junior and senior levels, ~70 participants).

SUPERVISION

(BEYOND UNDERGRADUATE PROJECTS)

- 2009 - H. Metzger, *A Uniform Distributed Shared File System*. **MS thesis**. Ongoing.
- 2008 - A. Khetrpal, *Deterministic Decentralized Event Correlation*. **MS thesis**. Ongoing.
- 2008 - G.A. Wilkin, *High-performance Computing with Streams*. **PhD thesis**. Ongoing.
- 2008 - V. Sundaram, *Debugging Sensor Networks*. **PhD thesis**. Ongoing. Co-advised with X. Zhang.
- 2008 - C. Jayalath, *A Modular Approach to Scalable Data-Aware Multicast*. **PhD thesis**. Ongoing.
- 2007 - K.R. Jayaram, *Programming Language Support for Event Correlation*. **PhD thesis**. Ongoing.
- 2007 - K. Hoffman, *Innovative Memory Management for Next Generation SMP*. **PhD thesis**. Ongoing.
- 2007 - J. Thomas, *Accommodative Mandatory Access Control*. **PhD thesis**. Co-advised with J. Vitek.
- 2010 A. Kalangi, *High-Performance Type-based Content Messaging*. **Independent study**.
- 2009 W. Culhane, *Deterministic Decentralized Event Correlation*. **Independent study**.
- 2009 R. Phelps, *Gradual Relationships*. **Independent study**.
- 2007 S. Gamage, *Large-Scale Data-Aware Probabilistic Broadcast*. **Independent study**.
- 2007 D. Weeratunge, *A Probabilistic and Modular Approach to Large-Scale Broadcast and Related Problems*. **Independent study**.
- 2007 A. Kundu, *Practical Precondition Strengthening*. **Independent study**.
- 2004 D. Moser, *Transactions for Eiffel*, **MS thesis**. Now with Zühlke Engineering.
- 2003 M. Bérard, P. Bizeau, D. Mayor, and S. Rastogi, *Implementing Total Order Probabilistic Multicast and Broadcast*, **semester project** pursued as internship.
- 2002-2006 S. Baehni, *Type-Based Event Dissemination*. **PhD thesis**. Co-supervision with R. Guerraoui. Now with SwissQuote.
- 2001-2005 S.B. Handurukande, *Efficient Distributed Routing of Typed Events*. **PhD thesis**. Co-supervision with R. Guerraoui. Now with Ericsson.
- 2001 S. Sarni, *Implementing Type-Based Publish/Subscribe with IP Multicast*. **Predoctoral school project** (1 year).
- 2001 A. Petrovic, *Probabilistic Multicast*. **Predoctoral school project** (1 year). PhD student at EPFL.
- 2001 M. Roserens, *Filtering Events in Distributed Financial Systems*. **MS thesis**. Now with UBS.
- 2000 P. Kouznetsov, *Probabilistic Broadcast, Algorithms and Specifications*, **Predoctoral school project** (1 year). Now Senior research scientist at TU Berlin/Deutsche Telekom Laboratories.

THESIS COMMITTEES

- 2009 A. Holzer, **PhD thesis**, University of Lausanne.
- 2006 S. Baehni, **PhD thesis**, EPFL.
- 2006 A. Reza, **PhD thesis**, Purdue University.

INVITED TALKS AND LECTURES

- 2009 Middleware for Context-aware Programming - **University of Lausanne**, Switzerland (postgraduate education on Middleware for Network Eccentric and Mobile Applications).

- Middleware for Context-aware Programming - **Chalmers University, Gothenburg**, Sweden
(winter school on Middleware for Network Eccentric and Mobile Applications).
- 2007 Multicast Types - **IBM Research Haifa / Technion**, Israel.
Multicast Types - IUPUI, Indianapolis.
Multicast Objects - **ETHZ**, Switzerland.
- 2005 Pervasive Programming - **Northeastern University**, Boston.
Pervasive Programming - **Purdue University**, West Lafayette.
Pervasive Programming - **University of Texas at San Antonio**, San Antonio.
- 2004 Pervasive Programming - **Eurecom Institute**, France.
- 2003 Pervasive Programming - **University of Geneva**, Switzerland.
Type-based Publish/Subscribe in Java - **Sun Microsystems**, Switzerland.
Pervasive Programming - **IBM Research** Rüschiikon, Switzerland.
Total Order Probabilistic Broadcast - **ETHZ**, Switzerland.
- 2002 Type-based Publish/Subscribe – CHOOSE (Swiss OO Group), **University of Bern**, Switzerland.
Probabilistic Multicast - **University of Lisbon**, Portugal.
- 2001 On Objects and Events - **IBM Research** Watson, New York.
Lighweight Probabilistic Broadcast - **Chalmers University of Technology**, Göteborg, Sweden.
- 2000 Type-based Publish/Subscribe - **Lombard Odier Darier Hentsch**, Switzerland.
- 1999 The Object Group Service - **Oracle Co.**, Portland, Oregon.

RECENT PARTICIPATIONS

- 2010 COORDINATION 2010.
- 2009 International Conference on Technologies of Object-oriented Languages and Systems Europe (TOOLS Europe 2009).
ACM International Conference on Distributed Event-based Systems (DEBS 2009 – publicity chair).
- 2008 European Conference on Object-Oriented Programming (ECOOP 2008 – workshop chair).
IEEE International Symposium on Distributed Objects and Applications (DOA'08).
Workshop on Reliability in Decentralized Distributed Systems (RDDS 2008).
IEEE International Conference on High-Performance Computing and Communications (HPCC 2008).
International Conference on Technologies of Object-oriented Languages and Systems Europe (TOOLS Europe 2008).
- 2007 IEEE International Symposium on Distributed Objects and Applications (DOA'07).
Autonomics 2007
Workshop on Reliability in Decentralized Distributed Systems (RDDS 2007)
- 2006 Distributed Event-based Systems (DEBS 2006)
European Conference on Object-Oriented Programming (ECOOP 2006).
IEEE International Symposium on Distributed Objects and Applications (DOA'06).
Workshop on Wireless Ad hoc and Sensor Networks (WWASN2006).
- 2005 International Conf. on Object-Oriented and Internet-based Technologies (NODE 2005).
IEEE Dependable Systems and Networks (DSN'05).

2004 IEEE International Symposium on Distributed Objects and Applications (DOA'05).
2003 IEEE International Symposium on Distributed Objects and Applications (DOA'04).
International Workshop on Distributed Event-Based Systems (DEBS'03).
2002 International Conf. on Object-Oriented and Internet-based Technologies (NODE 2003).
International Workshop on Distributed Event-Based Systems (DEBS'02).
IEEE International Symposium on Distributed Objects and Applications (DOA'02).

REFEREEING ACTIVITIES

Journals ACM Transactions on Computer Systems, ACM Computing Surveys, IEEE Transactions on Data Knowledge and Engineering, IEEE Transactions on Information Systems, IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Mobile Computing, IEEE Transactions on Software Engineering, Software - Practice & Experience, Concurrency & Computation - Practice & Experience, Journal of Parallel and Distributed Computing, and more.

Panels NSF 2007, 2009

REFERENCES

Eugene Spafford. Department of Computer Science, Purdue University. spaf@cerias.purdue.edu; +1-765-494-7825

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Bertrand Meyer. Department of Computer Science, Swiss Federal Institute of Technology in Switzerland. bertrand.meyer@inf.ethz.ch; +41-44-632-1435

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