A Complete Bibliography of *Computing Systems Journal*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `http://www.math.utah.edu/~beebe/`

30 December 2016
Version 1.51

Title word cross-reference

4.3BSD [BL90]. **4.4BSD** [McK95].

9 [PPD+95, Wel94].

Access [CLS92]. **Accesses** [BD96]. **Achieving** [FC96]. **across** [ACO92]. **Adaptation** [NPS95]. **Adaptive** [DK95, MP90]. **Address** [KC96]. **Adrift** [DGT96]. **Against** [Car91]. **Ahead** [Win94]. **Algorithm** [BK91, Win94]. **Algorithms** [BS93, CS90]. **Amoeba** [DOKT91]. **among** [CBE93]. **Animation** [BK91]. **Announcements** [Sal94]. **Applicability** [KCCT94]. **Application** [Bis88, NPS95]. **Application-Aware** [NPS95]. **Applications** [BDWW89, PK93]. **Approach** [BL90, LaP94, Mor88]. **approaches** [SEKN92]. **Archaeology** [Gra92]. **Architectural** [Ros92]. **Architecture** [BBD+91, BSKH93, Gol92, VBD+92]. **Architectures** [Wel94]. **Area** [IP94]. **Arjuna** [PSWL95]. **ASCII** [HF91]. **Assessment** [SGH+89]. **Assignment** [Win94]. **Atomic** [MKC92]. **Attached** [Puc91]. **Audio** [Haw90]. **Authentication** [KCCT94]. **Autonomous** [DLO92]. **Availability** [VF95]. **Aware** [NPS95].

Based [CK96, Neu92, YKB94]. **Basic** [CS90]. **Batch** [CS94]. **Be** [Pik88]. **Bell** [PPD+95]. **Bottlenecks** [ACO92]. **BSD** [Ste89]. **Building** [Cal96b, Cal96a]. **bus** [OW94].

C [Sak92a, Car91, Joh88, Nil94, Par95, Sak92b, Str88, Str89c, Str89a, Str89b, Wal91]. **Cached** [VBD+92]. **caches** [OW94].

Caching [KAD96, Wel91]. **Calls** [PA90]. **Can** [Les88a]. **Cards** [KCCT94]. **Case** [Car91, Wal91]. **Casper** [VBD+92]. **Checking** [BD96, HT94]. **Choices** [CIM92]. **CHORUS** [RAA+88]. **CIA** [Gra92]. **Clocks** [DGT96, Yah94]. **Clouds** [DCM+90, DAM+91]. **code** [Les88a]. **Collaborative** [PK93]. **Collection** [Nil94]. **Communication** [AOW96, BZM91, CK96]. **Comparison** [CS90, DOKT91, Wel94, SEKN92]. **Compliant** [KAD96]. **Component** [WCN93]. **Components** [CBE93]. **Compression** [Haw90]. **Computer** [LaP94, Wil88a, Wil88b]. **Computers** [DK95]. **Computing** [NPS95, Win96]. **Concurrent** [Pik89, STV90]. **Conditions** [BD96]. **Configurable** [Puc91]. **Configuration** [Bur95]. **Configurations** [Cal96b, Cal96a]. **Connected** [HH95]. **Conservative** [BL90]. **Considerations** [War94]. **Consistency** [Gol92]. **Constraints** [HT94]. **Contributors** [Ano95, Ano96a, Ano96b, Ano96c]. **Control** [CLS92]. **Controlling** [Lib91]. **Controversy** [Ada96, Car91, Pik88, Wal91]. **Conventional** [DV90]. **Cooperative** [CBE93]. **copy** [SM88]. **copy-on-write** [SM88]. **CORBA** [KAD96]. **Correspondences** [WCN93]. **Corrigendum** [Cal96a, Mof92a, Sak92a]. **Cost** [Yah94]. **CPU** [CS90]. **Critique** [Sak92b, Sak92a].

Data [ACO92, Bis88, CL91, Gri89, Haw90, HF96, Puc91, Sri93, War94, HF91]. **database** [HF91]. **Dealing** [WCN93]. **dear** [O'D94b]. **Delayline** [IP94]. **Demultiplexing** [MD92]. **Design** [Baa88, DCM+90, Gra92, KP93, PSWL95, PHS96, Smi91, Sos95, OW94]. **Developing** [BDWW89, BCR91]. **Development** [BSKH93]. **Directing** [Sos95]. **discovery** [SEKN92]. **Disk** [CL91, DK95, Ste89]. **Distributed** [BBD+91, BZM91, CL91, Car95, DLO92, DCM+90, DAM+91, DOKT91, Gol92, LM94, PK93, RAA+88, STV90, Wag90, Wel94, Win94, WRW96]. **Distribution** [SSZ+93, YKB94]. **Documenting** [CI93]. **Domain** [BSSW96]. **Down** [DK95]. **drive** [Ste89]. **DUNE** [PA90]. **DUNE_iX** [BDKM93]. **Durra** [BDWW89]. **Dynamics** [Wil88a, Wil88b]. **Dynascope** [Sos95].

Economical [Mof92b]. **Editing** [KTBL93]. **Editor** [Ree95, Sal95a, Sal95b, Tho90]. **Editorial** [Avo96, Deu92, Dew93, Hon94, Pre95, Sch96, Spa89, Spa91, UB93]. **Editors** [KP93]. **Effects** [SM88]. **Efficient** [MD92]. **Egg** [Joh93]. **Electronic** [PHS96]. **Elk** [LB94]. **Emulation** [IP94]. **Encryption** [Bis88]. **Enforcement** [BSSW96]. **Engine** [Bur95]. **Engineering** [MBM93, Mor88]. **Enhanced** [BW88]. **Environment** [CBE93, KTBL93, Wag90]. **Environments** [BSKH93, Sri93]. **Erratum** [Wil88b]. **Evaluation** [BS93, SSZ+93]. **Evolution** [BZM91, Str89a]. **Exeunt** [Sal96]. **expect** [Lib91]. **Expected** [KC96]. **Experience** [BCR91, Duf89]. **Experiences** [ACO92]. **Experimental** [CDM90]. **Extending** [BP88]. **Extensible** [Tho90]. **Extension** [LB94].

Facility [MKC92]. **Fall** [Joh93]. **Fast** [Bis88, HF91]. **Features** [DJ88]. **Feedback** [MP90]. **Felicitations** [O'D88d]. **File** [BP88, BD96, CS94, FC96, Neu92, Wel91, Wel94]. **Files** [Mof92b]. **Filesystem** [McK95]. **Fine** [CLS92, MP90]. **Fine-Grain** [MP90]. **Fine-Grained** [CLS92]. **Firewall** [Cal96b, Cal96a]. **Firewall-Router** [Cal96b, Cal96a]. **fork** [SM88]. **Formal** [LaP94]. **Formatter** [KV89]. **Framework** [CI93, PHS96]. **Frameworks** [CIM92]. **friends** [O'D94b].

Garbage [Nil94]. **Generation** [Par95]. **Global** [Neu92]. **Golden** [Joh93]. **Goose** [Joh93]. **GRAB** [Les88b]. **Grain** [MP90]. **Grained** [CLS92]. **Graphics** [Tho90, Wil88a, Wil88b]. **Grasshopper** [DdBF+94]. **Greetings** [Bis94, O'D88b, O'D88d, O'D88c, O'D89a, O'D89b, O'D89c, O'D89d, OS89, O'D90a, O'D90b, O'D90c, O'D91a, O'D91b, OS91, O'D91c, O'D92b, O'D92c, O'D92d, O'D92a, O'D93a, O'D93b, OS94, O'D94a, O'D94b, O'D88a]. **Group** [KP93]. **GroupDesign** [KTBL93]. **Guest** [Avo96, Deu92, Dew93, Hon94, Ree95, Sch96, Spa89, Spa91, UB93]. **Guide** [BBD+91].

Heterogeneous [BDWW89, CBE93, KTBL93, Sri93, Wag90]. **Heuristics** [Ste89]. **High** [CL91, CK96, PHS96]. **High-Performance** [CK96]. **High-Speed** [PHS96]. **Hints** [PA90]. **History** [DGT96]. **Hypertext** [Bro89].

I/O [CL91]. **Icon** [Gri89]. **IK** [SSZ+93]. **Imaging** [PHS96]. **Implementation** [BBD+91, Bis88, CBE93, CDM90, DCM+90, DGT96, PSWL95, SLM+90, Sos95, Baa88]. **Implementing** [MKC92]. **Incoming** [MD92]. **Independent** [Ada96, Rub96a, Rub96b]. **Index** [Ano93, Ano96d]. **Indexes** [Les88b]. **Indexing** [DLO92]. **Information** [Gol92, VF95]. **Inheritance** [Car91, Sak92b, Sak92a, Wal91, Str89b]. **Instruction** [Mor88]. **Integration** [WCN93]. **Intelligent** [FC96]. **Inter** [WCN93]. **Inter-relation** [WCN93]. **Interactive** [Lib91]. **Interdependent** [Win94]. **Interface** [McK95, NPS95]. **Interfaces** [ACO92]. **Internet** [DLO92, SEKN92]. **Interoperable** [Sri93]. **Interrupt** [Col96]. **Intuitive** [HF96]. **Inversion** [Mof92b]. **Inverted** [Les88b]. **Issue** [Ano95, Ano96a, Ano96b, Ano96c]. **Issues** [KP93, SLM+90].

Java [RWWB96, WRW96].

Kerberos [DGT96]. **Kernel** [PMI88, Rua90]. **Keynote** [Tho90]. **Killing** [Joh93]. **Kit** [LB94].

Laboratory [Smi91]. **Labs** [PPD+95]. **Laid** [Joh93]. **Language** [Car95, DJ88, Gri89, LB94, Tho90]. **Languages** [Lan90]. **Large** [Mof92b]. **last** [O'D94b]. **Latency** [VF95]. **level** [OW94]. **Leveraging** [CK96]. **Lifetime** [KC96]. **Linkage** [Str88]. **Little** [Lan90]. **Log** [CS94]. **Log-Structured** [CS94]. **Longer** [FG90]. **Look** [Win94]. **Look-Ahead** [Win94]. **Low** [Les88b].

Mach [BL90]. **Mach/4.3BSD** [BL90]. **Machine** [BDWW89]. **make** [Baa88]. **Makeup** [KV89]. **Management** [BS93, SM88]. **Managing** [Sal95a, Sal95b, Sri93]. **Manipulation** [Puc91]. **Measured** [Wel91]. **Mechanism** [AOW96]. **Mechanisms** [CBE93]. **Medical** [PHS96]. **meets** [Joh88]. **megabyte** [OW94]. **Memory** [CK96, SM88, OW94]. **Memory-Based** [CK96]. **Messages** [AOW96]. **Messaging** [CK96]. **Migration** [CCK+95]. **minimizing** [OW94]. **Mobile** [DK95, NPS95]. **Model** [DV90, Neu92, WRW96]. **Modeling** [LaP94]. **MPVM** [CCK+95]. **Multi** [BSKH93]. **Multi-User** [BSKH93]. **Multidatabase** [BS93, CBE93]. **Multiple** [Car91, KP93, Str89b, Wal91]. **Multiprocessor** [CS90, Puc91, SLM+90]. **multiprocessors** [OW94]. **Music** [Lan90, Tho90].

Naming [CDM90]. **Navigation** [YKB94]. **Network** [BDWW89, IP94, KCCT94, Wel91].

Networks [BDWW89, War94]. **NFS** [Mog94]. **No** [FG90]. **Non** [Win96, Yah94]. **Non-Synchronized** [Yah94]. **Non-Technical** [Win96]. **Note** [Sal95a, Sal95b].

O [CL91]. **Object** [AOW96, BBD+91, CLS92, CI93, DV90, Gra92, KAD96, PHS96, SGH+89, WRW96]. **Object-Oriented** [AOW96, BBD+91, CLS92, CI93, Gra92, PHS96, SGH+89]. **Objects** [DAM+91, MKC92]. **Omnes** [Sal96]. **One** [Ada96, Rub96a, Rub96b, O'D94b]. **One-Time** [Ada96, Rub96a, Rub96b]. **Operating** [BDKM93, BCR91, DCM+90, DdBF+94, DV90, DJ88, KC96, Ros92, RAA+88, SLM+90, SGH+89]. **Operation** [HH95]. **Operations** [SM88]. **Optimal** [CS94, OW94]. **Optimized** [CK96]. **Orchestra** [Haw90]. **Oriented** [AOW96, BBD+91, CLS92, CI93, Gra92, PHS96, SGH+89]. **Orthogonal** [Ros92]. **Orthogonally** [DdBF+94]. **Output** [KV89]. **Overcoming** [ACO92]. **Overhead** [Les88b]. **Overview** [SSZ+93].

Packets [MD92]. **Page** [KV89]. **Parallel** [AOW96, Baa88]. **Parallelization** [BL90]. **Parametrized** [Str89c]. **Partially** [HH95]. **Passwords** [Ada96, Rub96a, Rub96b]. **Performance** [BS93, CK96, PHS96, Wel91]. **Persistence** [Ros92, SSZ+93, VBD+92]. **Persistent** [DdBF+94]. **Personal** [Haw90]. **Perspectives** [SGH+89]. **Pickling** [RWWB96]. **Plan** [PPD+95, Wel94]. **Platform** [SSZ+93]. **Policies** [DK95]. **Policy** [War94]. **Portability** [FG90]. **positioning** [Ste89]. **Postprocessing** [KV89]. **Predictable** [FC96]. **Principles** [Sak92b, Sak92a]. **Priorities** [Col96]. **Problem** [FG90]. **Procedure** [PA90]. **Process** [Rua90]. **Processes** [Lib91]. **Processing** [BZM91]. **Programming** [DAM+91, DJ88, Gri89, NPS95, STV90]. **Prospero** [Neu92]. **Protocols** [DGT96]. **Prototype** [BSSW96]. **Provide** [CL91]. **Psyche** [SLM+90]. **PVM** [CCK+95].

queries [HF91]. **Querying** [WCN93]. **Queueing** [Col96].

Race [BD96]. **Radix** [MBM93]. **RAID** [LM94, BZM91]. **Rates** [CL91]. **Real** [BDKM93, DJ88, Nil94]. **Real-Time** [BDKM93, Nil94, DJ88]. **Recovery** [Mog94]. **Redundancy** [Sri93]. **Refinement** [CIM92]. **Rejoinder** [Ada96]. **relation** [WCN93]. **Relational** [HF96, WCN93]. **Relations** [WCN93]. **relatively** [HF91]. **RelaX** [MKC92]. **Reliable** [Nil94]. **Remote** [PA90]. **Representing** [HF96]. **Resource** [BW88, SEKN92]. **Response** [FC96, Rub96b, SM88]. **Router** [Cal96b, Cal96a]. **RP3** [BCR91]. **Rule** [LaP94]. **Rule-Set** [LaP94].

safe [Str88]. **Scheduling** [CS90, MP90]. **Schema** [HF96, WCN93]. **Scope** [Car95]. **Scripts** [Lib91]. **second** [OW94]. **second-level** [OW94]. **secret** [Les88a]. **Secure** [Yah94]. **Security** [HT94]. **Server** [Sos95]. **Servers** [VF95]. **Services** [DLO92, Gol92]. **Set** [LaP94]. **Setting** [Col96]. **Shared** [KTBL93, OW94]. **shared-bus** [OW94]. **shared-memory** [OW94]. **Sharing** [BW88]. **Should** [Pik88]. **Single** [KC96]. **Single-Address-Space** [KC96]. **Site** [Bur95]. **Size** [CS94]. **Smart** [AOW96, KCCT94]. **Software** [BSKH93, Col96, Mor88, Smi91]. **Solved** [FG90]. **Sort** [MBM93]. **SOS** [SGH+89]. **source** [Les88a]. **Space** [KC96]. **Special** [Bis94, OS94]. **Specifying** [HT94]. **Speed** [PHS96]. **Spin** [DK95]. **Spin-Down** [DK95]. **Spooling** [Wag90]. **Sprite** [DOKT91, Wel91, Wel94]. **Spritely** [Mog94]. **stable** [HF91]. **Standard** [Bis88]. **State**

[RWWB96]. **Storage** [Les88b]. **Striping** [CL91]. **Strong** [Sal90]. **Structure** [HF96]. **Structured** [CS94]. **Structures** [Gri89]. **Stub** [Par95]. **SUN** [ACO92]. **SUN-Transputer** [ACO92]. **Support** [Ros92, STV90]. **Supporting** [KP93, VBD+92]. **survive** [Les88a]. **Swift** [CL91, LM94]. **Swift/RAID** [LM94]. **Synchronization** [Rua90]. **Synchronized** [Yah94]. **Synchronous** [PK93]. **Synthesis** [PMI88]. **System** [BBD+91, BDKM93, BK91, BP88, BZM91, Bro89, BCR91, CLS92, CI93, CBE93, CK96, CDM90, DCM+90, DAM+91, DdBF+94, DJ88, FC96, KAD96, LaP94, LM94, Neu92, Par95, Pik89, RWWB96, Ros92, RAA+88, SLM+90, SGH+89, Wel91, Wel94, WRW96, McI89]. **Systems** [AOW96, CS94, DV90, DOKT91, Duf89, KC96, Pik88, STV90, Win96, YKB94].

Tasks [Win94]. **TCP** [MD92]. **Technical** [Win96]. **Technique** [CI93]. **Text** [KV89, Mof92b]. **Threads** [DAM+91]. **Threat** [Win96]. **Three** [Wel94]. **Tilde** [CDM90]. **Time** [Ada96, BDKM93, FC96, Nil94, Rub96a, Rub96b, SM88, DJ88, O'D94b]. **Timeliness** [Yah94]. **Tom** [Sal90]. **Tool** [Cal96b, Cal96a, IP94]. **Toolkit** [KP93, PK93]. **traffic** [OW94]. **Transaction** [BZM91, BS93, MKC92]. **Transactional** [CLS92]. **Transfer** [ACO92]. **Transparent** [CCK+95, Pik88]. **Transputer** [ACO92]. **Trees** [HF96]. **Trust** [YKB94]. **Trust-Based** [YKB94]. **Trusted** [LaP94]. **Tuple** [HF96]. **Tutorial** [Wil88a]. **Two** [BS93, DOKT91]. **Type** [BSSW96, Str88]. **Type-safe** [Str88]. **Types** [Str89c].

Undergraduate [Mor88]. **United** [Joh93]. **UNIX** [BSSW96, BW88, BP88, Bro89, CS90, Duf89, HT94, McI89, PK93, SM88, Les88a]. **Unorthodox** [Mor88]. **Updater** [FC96]. **User** [BSKH93, KCCT94]. **Using** [CL91, PA90, MP90]. **UTS** [Rua90].

Version [CCK+95]. **via** [Col96]. **Virology** [McI89]. **Virtual** [McK95, Neu92]. **virus** [McI89]. **Viruses** [Duf89]. **Vnode** [Wel94]. **Volumes** [Ano96d, Ano93].

Watchdogs [BP88]. **Weak** [Gol92]. **Weak-Consistency** [Gol92]. **Web** [VF95]. **Welcome** [Nem88]. **Wide** [IP94, VF95]. **Wide-Area** [IP94]. **Window** [Pik88, Pik89]. **Workload** [Win94]. **World** [VF95]. **Write** [CS94, SM88].

YACC [Joh88].

References

Atkins:COMPSYS-5-2-159

[ACO92] M. Stella Atkins, Yan Chen, and Florina Olariu. Experiences: Overcoming data transfer bottlenecks across SUN-Transputer interfaces. *Computing Systems*, 5 (2):159–192, Spring 1992. CODEN CMSYE2. ISSN 0895-6340.

Adams:COMPSYS-9-3-255

[Ada96] John Adams. Controversy: Rejoinder: Independent one-time passwords. *Computing Systems*, 9(3):255–256, Summer 1996. CODEN CMSYE2. ISSN 0895-6340. See [Rub96a, Rub96b].

Anonymous:COMPSYS-6-1-37

[Ano93] Anonymous. Index volumes 1–5 (1988–1992). *Computing Systems*, 6(1):37–50, Winter 1993. CODEN CMSYE2. ISSN 0895-6340.

Anonymous:COMPSYS-8-4-415

[Ano95] Anonymous. Contributors to this issue. *Computing Systems*, 8(4): 415–416, Fall 1995. CODEN CMSYE2. ISSN 0895-6340.

Anonymous:COMPSYS-9-1-85

[Ano96a] Anonymous. Contributors to this issue. *Computing Systems*, 9(1): 85–87, Winter 1996. CODEN CMSYE2. ISSN 0895-6340.

Anonymous:COMPSYS-9-3-259

[Ano96b] Anonymous. Contributors to this issue. *Computing Systems*, 9(3): 259–260, Summer 1996. CODEN CMSYE2. ISSN 0895-6340.

Anonymous:COMPSYS-9-4-407

[Ano96c] Anonymous. Contributors to this issue. *Computing Systems*, 9(4): 407–409, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Anonymous:COMPSYS-9-4-413

[Ano96d] Anonymous. Index to volumes 1–9 (1988–1996). *Computing Systems*, 9(4):413–428, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Arjomandi:COMPSYS-9-4-313

[AOW96] Eshrat Arjomandi, William G. O'Farrell, and Gregory V. Wilson. Smart messages: An object-oriented communication mechanism for parallel systems. *Computing Systems*, 9(4):313–329, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Avolio:COMPSYS-9-1-1

[Avo96] Frederick M. Avolio. Guest editorial. *Computing Systems*, 9(1): 1–2, Winter 1996. CODEN CMSYE2. ISSN 0895-6340.

Baalbergen:COMPSYS-1-2-135

[Baa88] E. H. Baalbergen. Design and implementation of parallel make. *Computing Systems*, 1(2):135–158, Spring 1988. CODEN CMSYE2. ISSN 0895-6340.

Balter:COMPSYS-4-1-31

[BBD+91] R. Balter, J. Bernadat, D. Decouchant, A. Duda, A. Freyssinet, S. Krakowiak, M. Meysembourg, P. Le Dot, H. Nguyen Van, E. Paire, M. Riveill, C. Roison, X. Rousset de Pina, R. Scioville, and G. Vandôme. Architecture and implementation of guide, an object-oriented distributed system. *Computing Systems*, 4(1): 31–67, Winter 1991. CODEN CMSYE2. ISSN 0895-6340.

Bryant:COMPSYS-4-3-183

[BCR91] Ray Bryant, Hung-Yang Chang, and Bryan Rosenburg. Experience developing the RP3 operating system. *Computing Systems*, 4(3):183–216, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

Bishop:COMPSYS-9-2-131

[BD96] Matt Bishop and Michael Dilger. Checking for race conditions in file accesses. *Computing Systems*, 9(2):131–152, Spring 1996. CODEN CMSYE2. ISSN 0895-6340.

Banino:COMPSYS-6-4-425

[BDKM93] Jean-Serge Banino, Jean Delcoigne, Claude Kaiser, and Gérard Morisset. The DUNE_iX

real-time operating system. *Computing Systems*, 6(4):425–480, Fall 1993. CODEN CMSYE2. ISSN 0895-6340.

Barbacci:COMPSYS-2-1-7

[BDWW89] Mario B. Barbacci, Dennis L. Doubleday, Charles B. Weinstock, and Jeannette M. Wing. Developing applications for heterogeneous machine networks: The Durra network. *Computing Systems*, 2(1):7–35, Winter 1989. CODEN CMSYE2. ISSN 0895-6340.

Bishop:COMPSYS-1-3-221

[Bis88] Matt Bishop. An application of a fast data encryption standard implementation. *Computing Systems*, 1(3):221–254, Summer 1988. CODEN CMSYE2. ISSN 0895-6340.

Bishop:COMPSYS-7-1-v

[Bis94] Matthew A. Bishop. Special greetings. *Computing Systems*, 7 (1):v–vi, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.

Bentley:COMPSYS-4-1-5

[BK91] Jon L. Bentley and Brian W. Kernighan. A system for algorithm animation. *Computing Systems*, 4(1):5–30, Winter 1991. CODEN CMSYE2. ISSN 0895-6340.

Boykin:COMPSYS-3-1-69

[BL90] Joseph Boykin and Alan Langerman. Mach/4.3BSD: A conservative approach to parallelization. *Computing Systems*, 3(1):69–99, Winter 1990. CODEN CMSYE2. ISSN 0895-6340.

Bershad:COMPSYS-1-2-169

[BP88] Brian N. Bershad and C. Brian Pinkerton. Watchdogs—extending the UNIX file system. *Computing Systems*, 1(2):169–188, Spring 1988. CODEN CMSYE2. ISSN 0895-6340.

Brown:COMPSYS-2-1-37

[Bro89] P. J. Brown. A hypertext system for UNIX. *Computing Systems*, 2 (1):37–53, Winter 1989. CODEN CMSYE2. ISSN 0895-6340.

Breitbart:COMPSYS-6-3-245

[BS93] Y. Breitbart and A. Silberschatz. Performance evaluation of two multidatabase transaction management algorithms. *Computing Systems*, 6(3):245–283, Summer 1993. CODEN CMSYE2. ISSN 0895-6340.

Ben-Shaul:COMPSYS-6-2-65

[BSKH93] Israel Z. Ben-Shaul, Gail E. Kaiser, and George T. Heineman. An architecture for multiuser software development environments. *Computing Systems*, 6 (2):65–103, Spring 1993. CODEN CMSYE2. ISSN 0895-6340.

Badger:COMPSYS-9-1-47

[BSSW96] Lee Badger, Daniel F. Sterne, David L. Sherman, and Kenneth M. Walker. A domain and type enforcement UNIX prototype. *Computing Systems*, 9(1): 47–83, Winter 1996. CODEN CMSYE2. ISSN 0895-6340.

Burgess:COMPSYS-8-3-309

[Bur95] Mark Burgess. A site configuration engine. *Computing Systems*,

8(3):309–337, Summer 1995. CODEN CMSYE2. ISSN 0895-6340.

Barton:COMPSYS-1-2-111

[BW88] J. M. Barton and J. C. Wagner. Enhanced resource sharing in UNIX. *Computing Systems*, 1 (2):111–133, Spring 1988. CODEN CMSYE2. ISSN 0895-6340.

Bhargava:COMPSYS-4-3-277

[BZM91] Bharat Bhargava, Yonguang Zhang, and Enrique Mafla. Evolution of a communication system for distributed transaction processing in Raid. *Computing Systems*, 4(3):277–313, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

Calabrese:COMPSYS-9-4-411

[Cal96a] Christopher J. Calabrese. Corrigendum: "A tool for building firewall-router configurations". *Computing Systems*, 9(4):411, Fall 1996. CODEN CMSYE2. ISSN 0895-6340. See [Cal96b].

Calabrese:COMPSYS-9-3-239

[Cal96b] Christopher J. Calabrese. A tool for building firewall-router configurations. *Computing Systems*, 9(3):239–253, Summer 1996. CODEN CMSYE2. ISSN 0895-6340. See corrigendum [Cal96a].

Cargill:COMPSYS-4-1-69

[Car91] Tom A. Cargill. Controversy: The case against multiple inheritance in C++. *Computing Systems*, 4(1):69–82, Winter 1991. CODEN CMSYE2. ISSN 0895-6340.

Cardelli:COMPSYS-8-1-27

[Car95] Luca Cardelli. A language with distributed scope. *Computing Systems*, 8(1):27–59, Winter 1995. CODEN CMSYE2. ISSN 0895-6340.

Chen:COMPSYS-6-3-207

[CBE93] Jiansen Chen, Omran A. Buhkres, and Ahmed K. Elmagarmid. The implementation of cooperative mechanisms among system components in a heterogeneous multidatabase environment. *Computing Systems*, 6(3): 207–243, Summer 1993. CODEN CMSYE2. ISSN 0895-6340.

Casas:COMPSYS-8-2-171

[CCK+95] Jeremy Casas, Dan L. Clark, Ravi Konuru, Steve W. Otto, Robert M. Prouty, and Jonathan Walpole. MPVM: A migration transparent version of PVM. *Computing Systems*, 8(2):171–216, Spring 1995. CODEN CMSYE2. ISSN 0895-6340.

Comer:COMPSYS-3-4-487

[CDM90] Douglas Comer, Ralph E. Droms, and Thomas P. Murtagh. An experimental implementation of the tilde naming system. *Computing Systems*, 3(4):487–515, Fall 1990. CODEN CMSYE2. ISSN 0895-6340.

Campbell:COMPSYS-6-4-363

[CI93] Roy H. Campbell and Nayeem Islam. A technique for documenting the framework of an object-oriented system. *Computing Systems*, 6(4):363–389, Fall 1993.

CODEN CMSYE2. ISSN 0895-6340.

Campbell:COMPSYS-5-3-217

[CIM92] Roy H. Campbell, Nayeem Islam, and Peter Madany. *Choices*, frameworks and refinement. *Computing Systems*, 5(3):217–257, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

Cheriton:COMPSYS-9-3-179

[CK96] David R. Cheriton and Robert A. Kutter. Optimized memory-based messaging: Leveraging the memory system for high-performance communication. *Computing Systems*, 9(3): 179–215, Summer 1996. CODEN CMSYE2. ISSN 0895-6340.

Cabrera:COMPSYS-4-4-405

[CL91] Luis-Felipe F. Cabrera and Darrell D. E. Long. Swift: Using distributed disk striping to provide high I/O data rates. *Computing Systems*, 4(4):405–436, Fall 1991. CODEN CMSYE2. ISSN 0895-6340.

Cabrera:COMPSYS-5-3-199

[CLS92] Luis-Felipe Cabrera, Allen W. Luniewski, and James W. Stamos. Fine-grained access control in a transactional object-oriented system. *Computing Systems*, 5 (3):199–216, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

Collyer:COMPSYS-9-2-119

[Col96] Geoff Collyer. Setting interrupt priorities in software via interrupt queueing. *Computing Systems*, 9 (2):119–130, Spring 1996. CODEN CMSYE2. ISSN 0895-6340.

Curran:COMPSYS-3-4-551

[CS90] Stephan Curran and Michael Stumm. A comparison of basic CPU scheduling algorithms for multiprocessor UNIX. *Computing Systems*, 3(4):551–579, Fall 1990. CODEN CMSYE2. ISSN 0895-6340.

Carson:COMPSYS-7-2-263

[CS94] Scott Carson and Sanjeev Setia. Optimal write batch size in log-structured file systems. *Computing Systems*, 7(2):263–281, Spring 1994. CODEN CMSYE2. ISSN 0895-6340.

Dasgupta:COMPSYS-4-3-243

[DAM+91] Partha Dasgupta, R. Ananthanarayanan, Sathis Menon, Ajay Mohindra, and Raymond Chen. Distributed programming with objects and threads in the Clouds system. *Computing Systems*, 4 (3):243–275, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

Dasgupta:COMPSYS-3-1-11

[DCM+90] P. Dasgupta, R. C. Chen, S. Menon, M. P. Pearson, R. Ananthanarayanan, U. Ramachandran, M. Ahamad, R. J. LeBlanc, W. F. Appelbe, J. M. Bernabéu-Aubán, P. W. Hutto, M. Y. A. Khalidi, and C. J. Wilkenloh. The design and implementation of the Clouds distributed operating system. *Computing Systems*, 3(1):11–46, Winter 1990. CODEN CMSYE2. ISSN 0895-6340.

Dearle:COMPSYS-7-3-289

[DdBF+94] Alan Dearle, Rex di Bona, James Farrow, Frans Kenskens, Anders Lindström, John Rosenberg, and Francis Vaughan. Grasshopper: An orthogonally persistent operating system. *Computing Systems*, 7(3):289–312, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

Deutsch:COMPSYS-5-4-375

[Deu92] Peter Deutsch. Guest editorial. *Computing Systems*, 5(4): 375–378, Fall 1992. CODEN CMSYE2. ISSN 0895-6340.

Dewan:COMPSYS-6-2-61

[Dew93] Prasun Dewan. Guest editorial. *Computing Systems*, 6(2):61–63, Spring 1993. CODEN CMSYE2. ISSN 0895-6340.

Davis:COMPSYS-9-1-29

[DGT96] Donald T. Davis, Daniel E. Geer, and Theodore Ts'o. Kerberos with clocks adrift: History, protocols, and implementation. *Computing Systems*, 9(1):29–46, Winter 1996. CODEN CMSYE2. ISSN 0895-6340.

Donner:COMPSYS-1-1-33

[DJ88] Marc D. Donner and David H. Jameson. Language and operating system features for real-time programming. *Computing Systems*, 1(1):33–62, Winter 1988. CODEN CMSYE2. ISSN 0895-6340.

Douglis:COMPSYS-8-4-381

[DK95] Fred Douglis and P. Krishnan. Adaptive disk spin-down policies for mobile computers. *Computing Systems*, 8(4):381–413, Fall 1995. CODEN CMSYE2. ISSN 0895-6340.

Danzig:COMPSYS-5-4-433

[DLO92] Peter B. Danzig, Shih-Hao Li, and Katia Obraczka. Distributed indexing of autonomous Internet services. *Computing Systems*, 5 (4):433–459, Fall 1992. CODEN CMSYE2. ISSN 0895-6340.

Douglis:COMPSYS-4-4-353

[DOKT91] Fred Douglis, John K. Ousterhout, M. Frans Kaashoek, and Andrew S. Tanenbaum. A comparison of two distributed systems: Amoeba and sprite. *Computing Systems*, 4(4):353–384, Fall 1991. CODEN CMSYE2. ISSN 0895-6340.

Duff:COMPSYS-2-2-155

[Duf89] Tom Duff. Experience with viruses on UNIX systems. *Computing Systems*, 2(2):155–171, Spring 1989. CODEN CMSYE2. ISSN 0895-6340.

Dewan:COMPSYS-3-4-517

[DV90] Prasun Dewan and Eric Vasilik. An object model for conventional operating systems. *Computing Systems*, 3(4):517–549, Fall 1990. CODEN CMSYE2. ISSN 0895-6340.

Feng:COMPSYS-9-3-217

[FC96] Li-Chi Feng and Ruei-Chuan Chang. Achieving predictable response time with an intelligent file system updater. *Computing Systems*, 9(3):217–237, Summer

1996. CODEN CMSYE2. ISSN 0895-6340.

Feldman:COMPSYS-3-2-359

[FG90] Stuart Feldman and W. Morven Gentleman. Portability—A no longer solved problem. *Computing Systems*, 3(2):359–380, Spring 1990. CODEN CMSYE2. ISSN 0895-6340.

Golding:COMPSYS-5-4-379

[Gol92] Richard A. Golding. A weak-consistency architecture for distributed information services. *Computing Systems*, 5(4):379–405, Fall 1992. CODEN CMSYE2. ISSN 0895-6340.

Grass:COMPSYS-5-1-5

[Gra92] Judith E. Grass. Object-oriented design archaeology with CIA++. *Computing Systems*, 5(1):5–67, Winter 1992. CODEN CMSYE2. ISSN 0895-6340.

Griswold:COMPSYS-2-4-339

[Gri89] Ralph E. Griswold. Data structures in the icon programming language. *Computing Systems*, 2 (4):339–365, Fall 1989. CODEN CMSYE2. ISSN 0895-6340.

Hawley:COMPSYS-3-2-289

[Haw90] Michael Hawley. The personal orchestra, or audio data compression by 10,000:1. *Computing Systems*, 3(2):289–329, Spring 1990. CODEN CMSYE2. ISSN 0895-6340.

Herrin:COMPSYS-4-2-127

[HF91] Erin H. Herrin II and Raphael Finkel. An ASCII database for fast queries of relatively stable data. *Computing Systems*, 4(2): 127–155, Spring 1991. CODEN CMSYE2. ISSN 0895-6340.

Herrin:COMPSYS-9-2-93

[HF96] Eric H. Herrin, II and Raphael A. Finkel. Schema and tuple trees: An intuitive structure for representing relational data. *Computing Systems*, 9(2):93–118, Spring 1996. CODEN CMSYE2. ISSN 0895-6340.

Huston:COMPSYS-8-4-365

[HH95] L. B. Huston and P. Honeyman. Partially connected operation. *Computing Systems*, 8(4): 365–379, Fall 1995. CODEN CMSYE2. ISSN 0895-6340.

Honeyman:COMPSYS-7-2-173

[Hon94] Peter Honeyman. Guest editorial. *Computing Systems*, 7(2): 173, Spring 1994. CODEN CMSYE2. ISSN 0895-6340.

Heydon:COMPSYS-7-1-91

[HT94] Allen Heydon and J. D. Tygar. Specifying and checking UNIX security constraints. *Computing Systems*, 7(1):91–112, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.

Ingham:COMPSYS-7-3-313

[IP94] David B. Ingham and Graham D. Parrington. Delayline: A wide-area network emulation tool. *Computing Systems*, 7(3): 313–332, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

Johnson:COMPSYS-1-2-159

[Joh88] Stephen C. Johnson. YACC meets C++. *Computing Systems*, 1(2):159–167, Spring 1988. CODEN CMSYE2. ISSN 0895-6340.

Johnson:COMPSYS-6-1-29

[Joh93] Steve Johnson. United we fall, or killing the goose that laid the golden egg. *Computing Systems*, 6(1):29–34, Winter 1993. CODEN CMSYE2. ISSN 0895-6340.

Kordale:COMPSYS-9-4-377

[KAD96] R. Kordale, M. Ahamad, and M. Devarakonda. Object caching in a CORBA compliant system. *Computing Systems*, 9(4): 377–404, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Kotz:COMPSYS-9-3-155

[KC96] David Kotz and Preston Crow. The expected lifetime of single-address-space operating systems. *Computing Systems*, 9(3):155–178, Summer 1996. CODEN CMSYE2. ISSN 0895-6340.

Krajewski:COMPSYS-7-1-75

[KCCT94] Marjan Krajewski, Jr., John C. Chipchak, David A. Chodorow, and Jonathan T. Trostle. Applicability of smart cards to network user authentication. *Computing Systems*, 7(1):75–89, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.

Knister:COMPSYS-6-2-135

[KP93] Michael Knister and Atul Prakash. Issues in the design of a toolkit for supporting multiple group editors. *Computing Systems*, 6(2):135–166, Spring 1993. CODEN CMSYE2. ISSN 0895-6340.

Karsenty:COMPSYS-6-2-167

[KTBL93] Alain Karsenty, Christophe Tronche, and Michel Beaudouin-Lafon. GroupDesign: Shared editing in a heterogeneous environment. *Computing Systems*, 6 (2):167–195, Spring 1993. CODEN CMSYE2. ISSN 0895-6340.

Kernighan:COMPSYS-2-2-103

[KV89] Brian W. Kernighan and Christopher J. Van Wyk. Page makeup by postprocessing text formatter output. *Computing Systems*, 2 (2):103–132, Spring 1989. CODEN CMSYE2. ISSN 0895-6340.

Langston:COMPSYS-3-2-193

[Lan90] Peter S. Langston. Little languages for music. *Computing Systems*, 3(2):193–288, Spring 1990. CODEN CMSYE2. ISSN 0895-6340.

LaPadula:COMPSYS-7-1-113

[LaP94] Leonard J. LaPadula. A ruleset approach to formal modeling of a trusted computer system. *Computing Systems*, 7(1): 113–167, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.

Laumann:COMPSYS-7-4-419

[LB94] Oliver Laumann and Carsten Bormann. Elk: The Extension Language Kit. *Computing Systems*, 7(4):419–449, Fall 1994. CODEN CMSYE2. ISSN 0895-6340.

Lesk:COMPSYS-1-2-189

[Les88a] Michael Lesk. Can Unix survive secret source code? *Computing Systems*, 1(2):189–199, Spring 1988. CODEN CMSYE2. ISSN 0895-6340.

Lesk:COMPSYS-1-3-207

[Les88b] Michael Lesk. GRAB—inverted indexes with low storage overhead. *Computing Systems*, 1(3): 207–220, Summer 1988. CODEN CMSYE2. ISSN 0895-6340.

Libes:COMPSYS-4-2-99

[Lib91] Don Libes. expect: Scripts for controlling interactive processes. *Computing Systems*, 4(2):99–125, Spring 1991. CODEN CMSYE2. ISSN 0895-6340.

Long:COMPSYS-7-3-333

[LM94] Darrell D. E. Long and Bruce R. Montague. Swift/RAID: A distributed RAID system. *Computing Systems*, 7(3):333–359, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

McIlroy:COMPSYS-6-1-5

[MBM93] Peter M. McIlroy, Keith Bostic, and M. Douglas McIlroy. Engineering radix sort. *Computing Systems*, 6(1):5–27, Winter 1993. CODEN CMSYE2. ISSN 0895-6340.

McIlroy:COMPSYS-2-2-173

[McI89] M. Douglas McIlroy. Virology 101 (UNIX system virus). *Computing Systems*, 2(2):173–181, Spring 1989. CODEN CMSYE2. ISSN 0895-6340.

McKusick:COMPSYS-8-1-3

[McK95] Marshall Kirk McKusick. The virtual filesystem interface in 4.4BSD. *Computing Systems*, 8 (1):3–25, Winter 1995. CODEN CMSYE2. ISSN 0895-6340.

McKenney:COMPSYS-5-2-141

[MD92] Paul E. McKenney and Ken F. Dove. Efficient demultiplexing of incoming TCP packets. *Computing Systems*, 5(2):141–157, Spring 1992. CODEN CMSYE2. ISSN 0895-6340.

Mock:COMPSYS-5-3-259

[MKC92] Michael Mock, Reinhold Kroeger, and Vinny Cahill. Implementing atomic objects with the RelaX transaction facility. *Computing Systems*, 5(3):259–304, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

Moffat:COMPSYS-5-4-494

[Mof92a] Alistair Moffat. Corrigendum. *Computing Systems*, 5(4):494, Fall 1992. CODEN CMSYE2. ISSN 0895-6340. See [Mof92b].

Moffat:COMPSYS-5-2-125

[Mof92b] Alistair Moffat. Economical inversion of large text files. *Computing Systems*, 5(2):125–139, Spring 1992. CODEN CMSYE2. ISSN 0895-6340. See corrigendum in [Mof92a].

Mogul:COMPSYS-7-2-201

[Mog94] Jeffrey C. Mogul. Recovery in spritely NFS. *Computing Systems*, 7(2):201–262, Spring 1994.

CODEN CMSYE2. ISSN 0895-6340.

Morris:COMPSYS-1-4-405

[Mor88] Robert A. Morris. An unorthodox approach to undergraduate software engineering instruction. *Computing Systems*, 1(4): 405–419, Fall 1988. CODEN CMSYE2. ISSN 0895-6340.

Massalin:COMPSYS-3-1-139

[MP90] Henry Massalin and Calton Pu. Fine-grain adaptive scheduling using feedback. *Computing Systems*, 3(1):139–173, Winter 1990. CODEN CMSYE2. ISSN 0895-6340.

Nemeth:COMPSYS-1-1-3

[Nem88] Alan G. Nemeth. Welcome. *Computing Systems*, 1(1):3, Winter 1988. CODEN CMSYE2. ISSN 0895-6340.

Neuman:COMPSYS-5-4-407

[Neu92] B. Clifford Neuman. The Prospero file system: A global file system based on the virtual system model. *Computing Systems*, 5(4): 407–432, Fall 1992. CODEN CMSYE2. ISSN 0895-6340.

Nilsen:COMPSYS-7-4-467

[Nil94] Kevin Nilsen. Reliable real-time garbage collection of C++. *Computing Systems*, 7(4):467–504, Fall 1994. CODEN CMSYE2. ISSN 0895-6340.

Noble:COMPSYS-8-4-345

[NPS95] Brian D. Noble, Morgan Price, and M. Satyanarayanan. A programming interface for application-aware adaptation in mobile computing. *Computing Systems*, 8(4): 345–363, Fall 1995. CODEN CMSYE2. ISSN 0895-6340.

Odell:COMPSYS-1-1-5

[O'D88a] Michael O'Dell. Greetings. *Computing Systems*, 1(1):5–9, Winter 1988. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-1-2-107

[O'D88b] Michael D. O'Dell. Greetings. *Computing Systems*, 1(2):107–109, Spring 1988. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-1-4-301

[O'D88c] Michael D. O'Dell. Greetings. *Computing Systems*, 1(4):301–304, Fall 1988. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-1-3-205

[O'D88d] Michael D. O'Dell. Greetings and felicitations. *Computing Systems*, 1(3):205–206, Summer 1988. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-2-1-3

[O'D89a] Michael D. O'Dell. Greetings. *Computing Systems*, 2(1): 3–5, Winter 1989. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-2-2-99

[O'D89b] Michael D. O'Dell. Greetings. *Computing Systems*, 2(2):99–101, Spring 1989. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-2-3-189

[O'D89c] Michael D. O'Dell. Greetings. *Computing Systems*, 2(3):189–

190, Summer 1989. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-2-4-285

[O'D89d] Michael D. O'Dell. Greetings. *Computing Systems*, 2(4): 285, Fall 1989. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-3-2-191

[O'D90a] Michael D. O'Dell. Greetings. *Computing Systems*, 3(2):191–192, Spring 1990. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-3-3-385

[O'D90b] Michael D. O'Dell. Greetings. *Computing Systems*, 3(3):385–386, Summer 1990. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-3-4-483

[O'D90c] Michael D. O'Dell. Greetings. *Computing Systems*, 3(4):483–484, Fall 1990. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-4-1-3

[O'D91a] Michael D. O'Dell. Greetings. *Computing Systems*, 4(1): 3–4, Winter 1991. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-4-2-97

[O'D91b] Michael D. O'Dell. Greetings. *Computing Systems*, 4(2):97–98, Spring 1991. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-4-4-351

[O'D91c] Michael D. O'Dell. Greetings! *Computing Systems*, 4(4):351–352, Fall 1991. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-5-4-373

[O'D92a] Michael O'Dell. Greetings. *Computing Systems*, 5(4):373–374, Fall 1992. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-5-1-3

[O'D92b] Michael D. O'Dell. Greetings! *Computing Systems*, 5(1):3, Winter 1992. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-5-2-123

[O'D92c] Michael D. O'Dell. Greetings. *Computing Systems*, 5(2):123–124, Spring 1992. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-5-3-197

[O'D92d] Michael D. O'Dell. Greetings. *Computing Systems*, 5(3): 197, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-6-1-3

[O'D93a] Michael D. O'Dell. Greetings. *Computing Systems*, 6(1): 3–4, Winter 1993. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-6-4-361

[O'D93b] Michael D. O'Dell. Greetings. *Computing Systems*, 6(4):361–362, Fall 1993. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-7-3-285

[O'D94a] Michael D. O'Dell. Greetings. *Computing Systems*, 7(3):285–286, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-7-4-415

[O'D94b] Michael D. O'Dell. Greetings, dear friends, one last time. *Computing Systems*, 7(4):415–417, Fall 1994. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-3-1-3

[OS89] Michael D. O'Dell and Peter H. Salus. Greetings. *Computing Systems*, 3(1):3, Winter 1989. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-4-3-177

[OS91] Michael D. O'Dell and Peter H. Salus. Greetings. *Computing Systems*, 4(3):177, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

ODell:COMPSYS-7-1-iii

[OS94] Michael D. O'Dell and Peter H. Salus. Special greetings. *Computing Systems*, 7(1):iii, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.

Oyang:COMPSYS-7-3-393

[OW94] Yen-Jen Oyang and Le-Chun Wu. Optimal design of megabyte second-level caches for minimizing bus traffic in shared-memory shared-bus multiprocessors. *Computing Systems*, 7(3): 393–408, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

Pucci:COMPSYS-3-1-47

[PA90] Marc F. Pucci and J. L. Alberi. Using hints in DUNE remote procedure calls. *Computing Systems*, 3(1):47–68, Winter 1990. CODEN CMSYE2. ISSN 0895-6340.

Parrington:COMPSYS-8-2-135

[Par95] Graham D. Parrington. A stub generation system for C++. *Computing Systems*, 8(2):135–169, Spring 1995. CODEN CMSYE2. ISSN 0895-6340.

Pyarali:COMPSYS-9-4-331

[PHS96] Irfan Pyarali, Timothy H. Harrison, and Douglas C. Schmidt. Design and performance of an object-oriented framework for high-speed electronic medical imaging. *Computing Systems*, 9 (4):331–375, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Pike:COMPSYS-1-3-279

[Pik88] Rob Pike. Controversy: Window systems should be transparent. *Computing Systems*, 1(3): 279–296, Summer 1988. CODEN CMSYE2. ISSN 0895-6340.

Pike:COMPSYS-2-2-133

[Pik89] Rob Pike. A concurrent window system. *Computing Systems*, 2 (2):133–153, Spring 1989. CODEN CMSYE2. ISSN 0895-6340.

Patel:COMPSYS-6-2-105

[PK93] Dorab Patel and Scott D. Kalter. A UNIX toolkit for distributed synchronous collaborative applications. *Computing Systems*, 6 (2):105–133, Spring 1993. CODEN CMSYE2. ISSN 0895-6340.

Pu:COMPSYS-1-1-11

[PMI88] Calton Pu, Henry Massalin, and John Ioannidis. The synthesis kernel. *Computing Systems*, 1 (1):11–32, Winter 1988. CODEN CMSYE2. ISSN 0895-6340.

Pike:COMPSYS-8-3-221

[PPD+95] Rob Pike, Dave Presotto, Sean Dorward, Bob Flandrena, Ken Thompson, Howard Trickey, and Phil Winterbottom. Plan 9 from Bell Labs. *Computing Systems*, 8 (3):221–254, Summer 1995. CODEN CMSYE2. ISSN 0895-6340.

Presotto:COMPSYS-8-1-1

[Pre95] David L. Presotto. Editorial. *Computing Systems*, 8(1):1, Winter 1995. CODEN CMSYE2. ISSN 0895-6340.

Parrington:COMPSYS-8-3-255

[PSWL95] Graham D. Parrington, Santosh K. Shrivastava, Stuart M. Wheater, and Mark C. Little. The design and implementation of arjuna. *Computing Systems*, 8 (3):255–308, Summer 1995. CODEN CMSYE2. ISSN 0895-6340.

Pucci:COMPSYS-4-3-217

[Puc91] Marc F. Pucci. Configurable data manipulation in an attached multiprocessor. *Computing Systems*, 4(3):217–242, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

Rozier:COMPSYS-1-4-305

[RAA+88] M. Rozier, V. Abrossimov, F. Armand, I. Boule, M. Gien, M. Guillemont, F. Herrmann, C. Kaiser, S. Langlois, P. Lé oñard, and W. Neuhauser. CHORUS distributed operating system. *Computing Systems*, 1(4): 305–370, Fall 1988. CODEN CMSYE2. ISSN 0895-6340.

Rees:COMPSYS-8-4-343

[Ree95] Jim Rees. Guest editor. *Computing Systems*, 8(4):343–344, Fall 1995. CODEN CMSYE2. ISSN 0895-6340.

Rosenberg:COMPSYS-5-3-305

[Ros92] John Rosenberg. Architectural and operating system support for orthogonal persistence. *Computing Systems*, 5(3):305–335, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

Ruane:COMPSYS-3-3-387

[Rua90] Lawrence M. Ruane. Process synchronization in the UTS kernel. *Computing Systems*, 3(3): 387–421, Summer 1990. CODEN CMSYE2. ISSN 0895-6340.

Rubin:COMPSYS-9-1-15

[Rub96a] Aviel D. Rubin. Independent one-time passwords. *Computing Systems*, 9(1):15–27, Winter 1996. CODEN CMSYE2. ISSN 0895-6340. See also [Ada96, Rub96b].

Rubin:COMPSYS-9-3-257

[Rub96b] Aviel D. Rubin. Response: Independent one-time passwords. *Computing Systems*, 9(3):257, Summer 1996. CODEN CMSYE2. ISSN 0895-6340. See [Rub96a, Ada96].

Riggs:COMPSYS-9-4-291

[RWWB96] Roger Riggs, Jim Waldo, Ann Wollrath, and Krishna Bharat. Pickling state in the Java system. *Computing Systems*, 9(4):

291–312, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Sakkinen:COMPSYS-5-3-361

[Sak92a] Markku Sakkinen. Corrigendum to *A Critique of the Inheritance Principles of C++*. *Computing Systems*, 5(3):361–363, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

Sakkinen:COMPSYS-5-1-69

[Sak92b] Markku Sakkinen. A critique of the inheritance principles of C++. *Computing Systems*, 5(1): 69–110, Winter 1992. CODEN CMSYE2. ISSN 0895-6340.

Salus:COMPSYS-3-4-485

[Sal90] Peter H. Salus. Tom strong (1944–1990). *Computing Systems*, 3(4):485, Fall 1990. CODEN CMSYE2. ISSN 0895-6340.

Salus:COMPSYS-7-3-287

[Sal94] Peter H. Salus. Announcements. *Computing Systems*, 7(3): 287, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

Salus:COMPSYS-8-3-iii

[Sal95a] Peter H. Salus. A note from the managing editor. *Computing Systems*, 8(3):iii, Summer 1995. CODEN CMSYE2. ISSN 0895-6340.

Salus:COMPSYS-8-4-341

[Sal95b] Peter H. Salus. A note from the managing editor. *Computing Systems*, 8(4):341, Fall 1995. CODEN CMSYE2. ISSN 0895-6340.

Salus:COMPSYS-9-4-405

[Sal96] Peter H. Salus. Exeunt omnes. *Computing Systems*, 9(4):405, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Schmidt:COMPSYS-9-4-261

[Sch96] Douglas C. Schmidt. Guest editorial. *Computing Systems*, 9(4): 261–263, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Schwartz:COMPSYS-5-4-461

[SEKN92] Michael F. Schwartz, Alan Emtage, Brewster Kahle, and B. Clifford Neuman. A comparison of Internet resource discovery approaches. *Computing Systems*, 5(4):461–493, Fall 1992. CODEN CMSYE2. ISSN 0895-6340.

Shapiro:COMPSYS-2-4-287

[SGH+89] Marc Shapiro, Yvon Gourbant, Sabine Habert, Laurence Mosseri, Michel Ruffin, and Celine Valot. SOS: An object-oriented operating system —assessment and perspectives. *Computing Systems*, 2(4):287–337, Fall 1989. CODEN CMSYE2. ISSN 0895-6340.

Scott:COMPSYS-3-1-101

[SLM+90] Michael L. Scott, Thomas J. LeBlanc, Brian D. Marsh, Timothy G. Becker, Cezary Dubnicki, Evangelos P. Markatos, and Neil G. Smithline. Implementation issues for the Psyche multiprocessor operating system. *Computing Systems*, 3(1): 101–138, Winter 1990. CODEN CMSYE2. ISSN 0895-6340.

Smith:COMPSYS-1-3-255

[SM88] Jonathan M. Smith and Gerald Q. Maguire, Jr. Effects of

copy-on-write memory management on the response time of UNIX fork operations. *Computing Systems*, 1(3):255–278, Summer 1988. CODEN CMSYE2. ISSN 0895-6340.

Smith:COMPSYS-4-4-385

[Smi91] Jonathan M. Smith. The software design laboratory. *Computing Systems*, 4(4):385–404, Fall 1991. CODEN CMSYE2. ISSN 0895-6340.

Sosic:COMPSYS-8-2-107

[Sos95] Rok Sosič. The Dynascope Directing Server: Design and implementation. *Computing Systems*, 8(2):107–134, Spring 1995. CODEN CMSYE2. ISSN 0895-6340.

Spafford:COMPSYS-3-1-5

[Spa89] Eugene H. Spafford. Guest editorial. *Computing Systems*, 3(1): 5–9, Winter 1989. CODEN CMSYE2. ISSN 0895-6340.

Spafford:COMPSYS-4-3-179

[Spa91] Eugene Spafford. Guest editorial. *Computing Systems*, 4(3): 179–183, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

Srinidhi:COMPSYS-6-3-285

[Sri93] Hassan N. Srinidhi. Managing data redundancy in interoperable heterogeneous environments. *Computing Systems*, 6(3): 285–317, Summer 1993. CODEN CMSYE2. ISSN 0895-6340.

Sousa:COMPSYS-6-4-391

[SSZ+93] Pedro Sousa, Manuel Sequeira, André Zúquete, Paulo Ferreira, Cristina Lopes, José Pereira, Paulo Guedes, and José Alves Marques. Distribution and persistence in the IK platform: Overview and evaluation. *Computing Systems*, 6(4):391–424, Fall 1993. CODEN CMSYE2. ISSN 0895-6340.

Stevens:COMPSYS-2-3-251

[Ste89] W. Richard Stevens. Heuristics for disk drive positioning in 4.3 BSD. *Computing Systems*, 2(3): 251–274, Summer 1989. CODEN CMSYE2. ISSN 0895-6340.

Stroustrup:COMPSYS-1-4-371

[Str88] Bjarne Stroustrup. Type-safe linkage for C++. *Computing Systems*, 1(4):371–403, Fall 1988. CODEN CMSYE2. ISSN 0895-6340.

Stroustrup:COMPSYS-2-3-191

[Str89a] Bjarne Stroustrup. The evolution of C++: 1985 to 1989. *Computing Systems*, 2(3):191–250, Summer 1989. CODEN CMSYE2. ISSN 0895-6340.

Stroustrup:COMPSYS-2-4-367

[Str89b] Bjarne Stroustrup. Multiple inheritance for C++. *Computing Systems*, 2(4):367–395, Fall 1989. CODEN CMSYE2. ISSN 0895-6340.

Stroustrup:COMPSYS-2-1-55

[Str89c] Bjarne Stroustrup. Parametrized types for C++. *Computing Systems*, 2(1):55–85, Winter 1989. CODEN CMSYE2. ISSN 0895-6340.

Spezzano:COMPSYS-3-3-423

[STV90] G. Spezzano, D. Talia, and M. Vanneschi. A concurrent programming support for distributed systems. *Computing Systems*, 3 (3):423–447, Summer 1990. CODEN CMSYE2. ISSN 0895-6340.

Thompson:COMPSYS-3-2-331

[Tho90] Tim Thompson. Keynote—A language and extensible graphics editor for music. *Computing Systems*, 3(2):331–357, Spring 1990. CODEN CMSYE2. ISSN 0895-6340.

Urban:COMPSYS-6-3-203

[UB93] Susan Urban and Elisa Bertino. Guest editorial. *Computing Systems*, 6(3):203–206, Summer 1993. CODEN CMSYE2. ISSN 0895-6340.

Vaughan:COMPSYS-5-3-337

[VBD+92] Francis Vaughan, Tracy Lo Basso, Alan Dearle, Chris Marlin, and Chris Barter. Casper: a cached architecture supporting persistence. *Computing Systems*, 5(3):337–359, Summer 1992. CODEN CMSYE2. ISSN 0895-6340.

Viles:COMPSYS-8-1-61

[VF95] Charles L. Viles and James C. French. Availability and latency of World Wide Web information servers. *Computing Systems*, 8 (1):61–91, Winter 1995. CODEN CMSYE2. ISSN 0895-6340.

Wagner:COMPSYS-3-3-449

[Wag90] Bernhard Wagner. Distributed spooling in a heterogeneous environment. *Computing Systems*, 3 (3):449–477, Summer 1990. CODEN CMSYE2. ISSN 0895-6340.

Waldo:COMPSYS-4-2-157

[Wal91] Jim Waldo. Controversy: The case for multiple inheritance in C++. *Computing Systems*, 4(2): 157–171, Spring 1991. CODEN CMSYE2. ISSN 0895-6340.

Ware:COMPSYS-7-1-1

[War94] Willis H. Ware. Policy considerations for data networks. *Computing Systems*, 7(1):1–44, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.

Whang:COMPSYS-6-3-319

[WCN93] Whan-Kyu Whang, Sharma Chakravarthy, and Shamkant B. Navathe. Relational schema integration: Dealing with interrelation correspondences and querying over component relations. *Computing Systems*, 6(3): 319–352, Summer 1993. CODEN CMSYE2. ISSN 0895-6340.

Welch:COMPSYS-4-3-315

[Wel91] Brent B. Welch. Measured performance of caching in the Sprite network file system. *Computing Systems*, 4(3):315–342, Summer 1991. CODEN CMSYE2. ISSN 0895-6340.

Welch:COMPSYS-7-2-175

[Wel94] Brent Welch. A comparison of three distributed file system architectures: Vnode, Sprite, and Plan 9. *Computing Systems*, 7(2): 175–199, Spring 1994. CODEN CMSYE2. ISSN 0895-6340.

Wilhelms:COMPSYS-1-1-63

[Wil88a] Jane Wilhelms. Dynamics for computer graphics: A tutorial. *Computing Systems*, 1(1):63–94, Winter 1988. CODEN CMSYE2. ISSN 0895-6340. See also [Wil88b].

Wilhelms:COMPSYS-1-2-200

[Wil88b] Jane Wilhelms. Erratum in "Dynamics for Computer Graphics". *Computing Systems*, 1(2): 200, Spring 1988. CODEN CMSYE2. ISSN 0895-6340. See [Wil88a].

Winckler:COMPSYS-7-3-361

[Win94] Andreas Winckler. A distributed look-ahead workload assignment algorithm for interdependent tasks. *Computing Systems*, 7(3):361–391, Summer 1994. CODEN CMSYE2. ISSN 0895-6340.

Winkler:COMPSYS-9-1-3

[Win96] Ira S. Winkler. The non-technical threat to computing systems. *Computing Systems*, 9(1):3–14, Winter 1996. CODEN CMSYE2. ISSN 0895-6340.

Wollrath:COMPSYS-9-4-265

[WRW96] Ann Wollrath, Roger Riggs, and Jim Waldo. A distributed object model for the Java system. *Computing Systems*, 9(4): 265–290, Fall 1996. CODEN CMSYE2. ISSN 0895-6340.

Yahalom:COMPSYS-7-4-451

[Yah94] Raphael Yahalom. Secure timeliness: On the cost of non-synchronized clocks. *Computing Systems*, 7(4):451–465, Fall 1994. CODEN CMSYE2. ISSN 0895-6340.

Yahalom:COMPSYS-7-1-45

[YKB94] Raphael Yahalom, Birgit Klein, and Thomas Beth. Trust-based navigation in distribution systems. *Computing Systems*, 7(1): 45–73, Winter 1994. CODEN CMSYE2. ISSN 0895-6340.