

Encyclopedia of Computer Science and Engineering

ARTICLE LIST

CR=Cross Reference

ID #	Manuscript Title	Subtopic	Add'l Comments	Contact Author	Status
	HARDWARE & ARCHITECTURE (1) - Prof. Joseph Cavallaro				
	COMPUTERS				
	Components				
250	Add-On Boards	Motherboard, PCI			
044	BIOS				
239	Microprocessors				
	Input/Output Devices				
188	Input Devices	Input Devices, Mouse, Stylus		Joe Laviola	assigned
253	Keyboards				
171	Graphical User Interfaces			Alexandra Stadler	assigned
	Systems				
903	Electronic Calculators (CR Area 9)	Calculators, Electronic and Programmable, CPU		Diana K. Byrne	accepted for publication
305	Personal Information Management Systems (CR area 8)	PDA			
214	Laptop Computers				
013	Analog Computers			Kent Lundberg	assigned
238	Microcomputers			Zbigniew Stachniak	assigned
307	Pen-Based Computers			Sandip Jassar	accepted for publication
147	Facsimile Equipment				
452	Voice Activated Computers				
433	Telecommunication Terminals	Terminals			
461	Engineering Workstations	Workstations			
420	Array and Pipelined Processors	Supercomputers, Vector Processing			
	New Paradigms				
	Biology Computing (CR area 9)				
249	Molecular Electronics and Hybrid Computers				
273	Nonconventional Computers	DNA Computing, Nonconventional Computers			
	DIGITAL LOGIC				
225	Logic Design	Logic Design: Combinatorial and Sequential Logic, Karnaugh Maps		Issam Damaj	accepted for publication
175	Hazards: Detection and Avoidance				
425	Asynchronous Logic Design	Synchronous vs. Asynchronous Logic			
014	Analog to Digital Conversion			Bob Walden	assigned
471	Digital to Analog Conversion			Bob Walden	assigned
053	Carry Logic			Shih-Lien Lu	accepted for publication
	Timing and Clocks				
090	Cycle Time, Access Time, Clock Skew				
061	Clock Distribution in Synchronous Systems				
	Components				
316	Programmable Logic Arrays			Issam Damaj	accepted for publication
045	Bit Slice Computers				
	MEMORY				
	Parallel Processing Implications for Software Engineering (CR area 2)	Basic Concepts: Bandwidth, Delays, Contention, Multiplexing, Latency, DMA			
	Components				

340	Memory Architecture	Digital: RAM, ROM, PROM			
128	DRAM Chips	DRAM		Koji Nakamae	assigned
054	CD-ROMs and Computer Systems	CD-ROMS, DVD-ROMS		Paul G. Ranky	accepted for publication
180	Holographic Storage			Bill Wilson	assigned
230	Data Storage on Magnetic Disks	Magnetic Disks		S. N. Piramanayagam	accepted for publication
024	Content Addressable Storage	Associative Memory			
283	Optical Disks and Optical CD-ROMS for Consumer Electronics			Robert McLeod	assigned
435	Thin Film Memory				
	Hierarchy				
049	Cache Memory Protocols	Caches			
549	Virtual Memory and Buffer Storage	Virtual Memory, Paging, Segmentation, Page Replacement, Storage Management		Seon Wook Kim	assigned
	Network Operating Systems				
266	Network Operating Systems (CR area 2 and 4)	File Servers, Distributed Operating Systems, Kernel		Kostas Magoutis	assigned
418	Storage Area Networks			Casimer DeCusatis	accepted for publication
264	Network Attached Storage			Howard Gobiuff and Erik Riedel	assigned
	Fault Tolerant Computing				
151	Fault Tolerant Computing	Fault Tolerance		D. K. Pradhan and Bharat Joshi	accepted for publication
339	Interleaved Storage	RAID, Interleaving			
372	Smart Arrays	Smart Array Controller		Mark Clements	assigned
	COMPUTER ARCHITECTURE				
	Von Neumann Computers (CR area 9)				
550	Interrupts			Lambert Schaelicke	assigned
551	Counting Circuits				
003	Addressing: Direct, Indirect			Aleksandar Milenkovic	assigned
357	Reduced Instruction Set Computer Architecture (CR area 9)	RISC vs. CISC		Vojin G. Oklobdzija	accepted for publication
191	Instruction Sets			Maya Gokhale	accepted for publication
	Architectural Design Concepts				
240	Microprogramming	Microprogramming and Macroprogramming: Emulation, Firmware		Bruce Bomar	accepted for publication
046	Parallel Processing, Superscalar and VLIW Processors	Branch Prediction, VLIW Processors			
421	Superscalar Processing				
071	Computer Architecture	Pipelining		Michael Flynn, Patrick Hung	accepted for publication
411	Speculation			David August	accepted for publication
429	VLSI Signal Processing	Systolic Architecture and Programming		Sandip Jassar	assigned
102	Dataflow Computers: Their History and Future			Ali Hurson	accepted for publication
139	Energy Efficient Designs: ARM				
363	SCSI				
130	EIDE				
	Local Area Networks (CR area 2)				
304	Smart Cards			Jean-Jacques Quisquater	assigned
197	Interconnection Networks for Parallel Computers	Interconnection Networks		Stunkel	accepted for publication
189	Input-Output Programs	Input/Output Architectures and Software			
	Systems				
416	Stack Computers				

	Set-Top Boxes (CR area 8)				
111	Digital Signal Processors			Mladen Berekovic	assigned
099	Parallel Database Systems (CR area 5)	Database Machines		Hamidah Ibrahim	assigned
065	Communication Processors for Wireless Systems			Sridhar Rajagopal	accepted for publication
446	Video Graphics Architecture				
	CAD/DT/VLSI				
	Concepts				
262	Nanotechnology and Architectures			Meghanad Wagh	assigned
193	Integrated Circuits	Integrated Circuits, CAD Tools		Georgios Sirakoulis	assigned
	Tools				
031	Automatic Testing	Automatic Test Generators, Functional Testing		Lee Belfore	accepted for publication
162	Programmable Logic Devices	FPGA PAL Design Tools		Luca Sterpone	assigned
215	LCD Design Techniques	LCD: Design Tools		Simone Smorfa	accepted for publication
	Design Techniques				
343	Rapid Prototyping Systems			Manfred Glesner	assigned
047	Logic Testing	Built-In Self-Test, Design for Testability, Fault Detection and Testing		Tim Cheng	assigned
227	Logic Synthesis	Logic Synthesis, Architectural Synthesis, VHDL, Hardware Description Languages		Angel Barriga Barros	accepted for publication
177	High-Level Synthesis			Issam Damaj	accepted for publication
321	Power Estimation and Optimization				
150	Design Verification and Fault Diagnosis in Manufacturing	Fault Simulation Verification and Diagnosis Methods			
039	Electrical Timing and Simulation	Behavioral Analysis and Optimization of Circuits			
312	VLSI Circuit Layout	Physical Design Automation: Layout, Partitioning, Placement and Routing		Lihong Zhang	assigned
	PARALLEL & DISTRIBUTED SYSTEMS (2) - Prof. Ten-Hwang (Steve) Lai				
	PARALLEL PROCESSING Architecture				
294	Parallel Architectures			Gita Alaghband	accepted for publication
232	Parallel Processing Implications for Software Engineering (CR area 1)	Massively Parallel Processing			
062	Clusters and Grids			Radu Prodan	assigned
368	Shared-Memory Multiprocessors			Manish Parashar	accepted for publication
124	Distributed-Memory Parallel Systems				
346	Configurable Computing	Reconfigurable Architectures		Jürgen Becker and Michael Hübner	assigned
	Software and Tools				
	Parallelizing and Vectorizing Compilers (CR area 4)				
293	Parallel and Vector Programming Languages			Keshav Pingali	accepted for publication
297	Parallel Numerical Algorithms and Software	to include a discussion of shared-space and message-passing programming models such as OpenMP, pThreads, MPI			
298	Parallel Programming Tools			Jeffrey Evans	assigned

292	Parallel Database Management Systems (CR area 5)	Load Balancing		W. Tavanapong, Kien A. Hua	accepted for publication
176	Heterogeneous Distributed Computing				
	DISTRIBUTED PROCESSING				
	Concepts				
428	System Models	System Models: Message Passing (Asynchronous, Partially Synchronous, Timed Asynchronous, Fully Synchronous), Shared Memory, RPC, Probabilistic, Hybrid		Rachid Guerraoui	assigned
410	Specification Models	Specification Models: I/O Automata, TLA, Unity, Z, CSP, CCS, State Machines, StateCharts, Petri Nets		Farn Wang	assigned
086	Correctness and Verification	Correctness and Verification: Safety and Liveness, Refinement, Serializability, Linearizability, Reduction		Anna Philippou	assigned
436	Time and State in Asynchronous Distributed Systems	Time (Logical, Vector, Causal, Real-Time) and State (Snapshots, Consistent Cuts)		Vijay Garg	accepted for publication
333	Programming Models: Client-Server, Process Groups, and Peer-to-Peer	Programming Models: Client-Server, Process Groups, Peer-to-Peer, Object-Oriented		van Renesse	accepted for publication
	Problems and Algorithms				
085	Coordination and Synchronization: Designing Practical Detectors for Large-Scale Distributed Systems	Coordination and Synchronization: Consensus, Leader Election, Mutual Exclusion, Readers and Writers, Producers and Consumers, Dining Philosophers, Committee Coordination, Termination Detection, Deadlock Detection, Garbage Collection, Predicate Detection, Synchronizers, Wait Free Objects, Atomic Objects, Group Communications, Virtual Synchrony		Indranil Gupta	accepted for publication
213	Language Mechanisms	Language Mechanisms: Semaphores, Monitors, Serializers, Path Expressions, Rendezvous, Linda Tuple Spaces			
152	Fault Tolerance and Security			Chang-Nian Zhang	assigned
059	Communication-Induced Checkpointing Protocols and Rollback-Dependency Trackability			Yi-Min Wang	accepted for publication
366	Self-Stabilization (CR area 4)				
148	Failure Detectors for Asynchronous Distributed Systems: An Introduction			Michel Raynal	accepted for publication
353	Replication (Quorum, Voting)				
117	Distributed Databases (CR area 5)			Zhang	accepted for publication
028	Authorization, Access Control, Information Flow, Quorum, Voting			Arnab Ray	assigned
	Data Security (CR area 5)				

246	Mobile/Ubiquitous Computing			Stephen S. Yau	accepted for publication
	Systems and Software				
	Distributed Operating Systems (CR area 1)				
344	Real-Time Systems			Krishna Kavi, Ali Hurson, Robert Akl	assigned
123	Distributed Shared Memory				
119	Distributed File Systems			Alok Choudhary, Avery Ching	accepted for publication
122	Distributed Scheduling			Howard Siegel	assigned
108	Design Methodology/Paradigms				
	Middleware (CR area 4)				
	COMPUTER NETWORKS				
	Protocol Stack				
552	ISO OSI Layered Protocol Model (and Other Protocol Models)			Javed Khan	assigned
553	High-Speed Protocols				
554	Optical Communication			Bin Wang	accepted for publication
555	Signaling				
556	ISDN				
221	Link Layer	Link Layer: Medium Access Protocols, Error Detection/Correction, Reliable Transfer			
201	IP, Mobile IP				
439	Transport Layer			Mung Chiang	assigned
255	Multicast Protocols and Algorithms			George C. Polyzos	accepted for publication
160	Network Flow and Congestion Control	Network Routing, Flow Control and Congestion Control		Atilla Eryilmaz	assigned
016	Application Layer Protocols	Application Layer: HTTP, SMTP, FTP, Telnet, DNS			
200	Internetworking				
265	Network Computing				
254	MPLS			Jose Marzo, Josep Sole-Pareta, Jandelize de Oliveira	assigned
	Various Networks				
224	Local Area Networks (CR area 1)	Fiber Channel			
237	Metropolitan Area Networks			N. F. Maxemchuk	accepted for publication
458	Wide Area Networks			Yunhong Gu	accepted for publication
431	Telephone Networks				
284	Fiber Optical Communication Networks			Qiao	accepted for publication
700	WiMAX Networks			Yi-Bing Lin	accepted for publication
004	Ad Hoc and Sensor Networks			Santosh Kumar	accepted for publication
195	Intelligent Networks				
424	Asynchronous Transfer Mode Networks	Asynchronous Transfer Mode (ATM)		Tatsuya Suda	accepted for publication
199	Internet Technology				
	Applications				
462	E-Commerce	World Wide Web (WWW): E-Commerce, Universal Resource Locator		Parijat Dube	assigned
908	Information Age	Electronic Mail, Telnet, File Transfer		Eisner	accepted for publication
445	Video Conferencing and IP Telephony	including Voice Over IP		Feng	accepted for publication
131	Electronic Data Interchange			Rajesh Aggarwal	accepted for publication

	Groupware (CR area 4)				
306	Peer-to-Peer Communications			Xiaodong Zhang	accepted for publication
309	Personal Communication				
	Algorithms, Software and Languages				
231	Document Interchange Standards	Mark-Up Languages: HTML, XML, SGML, and Hypertext			
457	Internet Browsers				
351	Remote Procedure Calls				
268	Network Security Fundamentals (CR area 9)	Network Security: Firewalls, etc.		Xinwen Fu	accepted for publication
060	Client-Server Systems				
	Network Operating Systems (CR area 1)				
118	Authoring Systems	Distributed Document Authoring			
	Network Performance				
338	Queuing Theory			Ho Woo Lee	accepted for publication
371	Gradient-based Optimization Techniques for Discrete Event Systems Simulation			Hossein Arsham	assigned
337	Quality of Service (QoS) (CR area 5)				
267	Network Reliability and Fault Tolerance			Deepankar Medhi	accepted for publication
	INTELLIGENT SYSTEMS (3) - Prof. Ning Zhong				
020	ARTIFICIAL INTELLIGENCE Concepts and Algorithms				
464	Autonomy-Oriented Computing			Jiming Liu	accepted for publication
228	Machine Learning			Chih-Chin Lai, Shing-Hwang Doong, Chih-Hung Wu	accepted for publication
082	Constructive Learning				
194	Intelligent Agent			Chengqi Zhang	accepted for publication
112	Dimensionality Reduction			Huan Liu	accepted for publication
274	Cognitive Systems and Cognitive Architectures	Nonmonotonic Formalism		Ron Sun	accepted for publication
317	Planning			Maria Fox	assigned
038	Bayesian Belief Networks			Eric Neufeld	assigned
033	Backtracking			Ines Lynce	assigned
040	Belief Maintenance				
345	Reasoning				
434	Automated Theorem Proving			David A. Plaisted	accepted for publication
168	Game Theory			Karl Tuyls and Ann Nowe	assigned
	Languages and Software				
009	Artificial Intelligence Languages			Sanja J. Vranes	accepted for publication
081	Constraint Languages			Pascal Van Hentenryck	assigned
423	Symbolic Logic: Mathematica				
324	Production Rules				
	Applications				
263	Natural Language Understanding			Jingye Zhou	assigned
413	Speech Synthesis			Keikichi Hirose	assigned
412	Speech Recognition			Stephen Levinson	assigned
302	Pattern Recognition			Robert J. Schalkoff	accepted for publication

440	Truth Maintenance System			Benedita Malheiro	assigned
301	Pattern Directed Inference Systems				
042	Bioinformatics			Tatsuya Akutsu	accepted for publication
465	Web Intelligence			Ning Zhong	accepted for publication
	SOFT COMPUTING AND COMPUTATIONAL INTELLIGENCE				
021	Artificial Neural Networks			Lipo Wang	assigned
271	Neural Net Architecture and Models (Perceptrons, Feedforward, Recurrent, etc.)			Witold Pedrycz	assigned
308	Perceptrons				
155	Feedforward Neural Nets				
183	Hopfield Neural Nets			Laurene V. Fausett	accepted for publication
365	Kernel-Based Topographic Map Formation	Self-Organizing Feature Maps		Marc van Hulle	assigned
285	Optical Neural Nets				
347	Recurrent Neural Nets				
057	Cerebellar Model Arithmetic Computers			Gabor Horvath	assigned
269	Neural Chips				
709	Cellular Wave Computers			Tamas Roska	assigned
270	Neural Controllers	Neural Controllers		Devendra Garg	accepted for publication
272	Neural Nets Based on Biology			Evangelia Micheli-Tzanakou	accepted for publication
468	Granular Computing			Yiyu Yao	accepted for publication
466	Rough Set Theory			Andrzej Skowron	accepted for publication
141	Evolutionary Algorithms				
169	Genetic Algorithms			Mitsuo Gen	accepted for publication
142	Evolutionary Learning			Dimitris C. Dracopoulos	accepted for publication
167	Fuzzy Logic and Theory				
248	Fuzzy Model Fundamentals	Models		Patricia Melin	accepted for publication
166	Fuzzy Control	Fuzzy Controllers		Sukumar Kamalasan	assigned
207	KNOWLEDGE ENGINEERING				
209	Knowledge Management	Knowledge Management, Knowledge Representation		Ronald Maier	accepted for publication
205	Knowledge Acquisition			Magdi N. Kamel	accepted for publication
211	Knowledge Verification			Jeffrey J. P. Tsai	accepted for publication
206	Knowledge Based Computation			David Leake	accepted for publication
146	Expert Systems (CR area 8)			Daniel O'Leary	accepted for publication
	SOFTWARE (4) - Prof. Farokh Bastani				
	SOFTWARE ENGINEERING				
	Software Engineering Process				
218	Distributed Project Management	Life Cycle Models		Rafael Prikladnicki	assigned
385	Software Houses			Rikard Land	assigned
116	Distributed and Collaborative Development			Atul Prakash	accepted for publication
008	Agile Software Development			Mladen A. Vouk	accepted for publication
325	Product-Line Methods				
391	Software Process Modeling				

063	Capability Maturity Models (CMM)			Annie Combelles	accepted for publication
	Software Life-Cycle Activities				
335	Software Project Management	Project Management and Planning			
355	Requirements Specification and Analysis			Nary Subramanian	accepted for publication
375	Software Architecture			David Garlan	accepted for publication
382	Software Design				
377	Software Coding				
405	Software Validation for Reliability			Bojan Cukic	assigned
387	Software Maintenance				
356	Reverse Engineering and Reengineering			Harry M. Sneed	assigned
	Software Engineering Paradigms				
278	Object-Oriented Design and Analysis			Kendra Cooper	assigned
006	Agent-Oriented Software Engineering Methodologies			Anna Perini	assigned
022	Aspect-Oriented Software Development			Awais Rashid, Ruzanna Chitchyan, Johan Brichau	accepted for publication
384	Software Frameworks				
066	Component-Based Software Engineering			Barrett Bryant	accepted for publication
397	Software Reusability			Soo Dong Kim	assigned
392	Rapid Prototyping			Luqi	accepted for publication
	Software Engineering Tools and Techniques				
404	Software Tools	Design Tools		Sergio Dascalu	assigned
557	Groupware (CR area 2)				
	Software Standards (CR area 9)				
380	Software Cost Estimation				
399	Software Risk Analysis				
389	Software Module Risk Analysis			Taghi Khoshgoftaar	accepted for publication
161	Formal Specification			Sitaraman	accepted for publication
447	Vienna Development Method			John Fitzgerald, Marcel Verhoef, Peter Gorm Larsen	accepted for publication
109	Design Patterns			Cyril Ku	assigned
332	Programming Environments				
378	Software Component Repositories			Luqi	accepted for publication
330	Program Transformation: What, How, and Why			Victor Winter	accepted for publication
442	User Interface Management Systems				
381	Software Dependability			Roshanak Roshandel	assigned
154	Fault-Tolerant Software			Michael R. Lyu	accepted for publication
	Self-Stabilizing Systems (CR area 2)				
394	Software Aging and Rejuvenation			Kishor S. Trivedi, Kalyanaraman Vaidyanathan	accepted for publication
327	Program Diagnostics				
386	Software Instrumentation			Torsten Kempf, Kingshuk Karuri, Lei Gao	assigned
143	Exception Handling			Y. C. Cheng, Chien-Tsun Chen	assigned

361	Rollback Recovery				
277	N-Version Programming				
455	Voting Systems				
400	Software Safety			Andrew Kornecki	accepted for publication
401	Software Security			Dianxiang Xu	accepted for publication
393	Software Quality and Reliability and Associated Tools			Taghi Khoshgoftaar	accepted for publication
376	Software Certification			Jeff Voas	accepted for publication
388	Software Metrics			Avik Sinha	assigned
104	Software Bugs	Debugging			
287	Orthogonal Defect Classification				
398	Software Reviews				
331	Formal Program Verification	Program Verification		Sitaraman	accepted for publication
708	Software Verification and Validation			Kung	accepted for publication
	Model Checking			Patrizio Pelliccione	assigned
403	Program Testing	Software Testing		Henry Muccini	assigned
030	Automatic Software Testing				
080	Conformance Testing				
260	Mutation Analysis				
329	Program Slicing				
395	Software Reliability			Swapna Gokhale	assigned
396	Software Reliability Analysis Tools			Swapna Gokhale	assigned
153	Fault Tree Analysis				
390	Software Performance Evaluation			Samuel Kounev	accepted for publication
379	Software Configuration Management			Tien N. Nguyen	assigned
354	Report Generator				
406	Visual Software Engineering			Kang Zhang	accepted for publication
	Domain-Specific Issues				
178	High-Assurance Software Engineering			Marcus Fisher	assigned
032	Autonomous Decentralized Systems			Kinji Mori	accepted for publication
407	Space-Based Systems				
430	Software Engineering for Telecommunications Systems			Dominikus Herzberg	accepted for publication
275	Nuclear Reactor Instrumentation and Control Systems			Carol Smidts	accepted for publication
558	Embedded Systems			John Linn	accepted for publication
048	Analytical Customer Relationship Management			Jaideep Srivastava	accepted for publication
	PROGRAMMING LANGUAGES				
	Concepts				
229	Macros				
419	Subroutines				
370	Side Effects			Amr Sabry	assigned
001	Abstract Data Types			Donald Cowan	accepted for publication
187	Inheritance				
281	Objects and Classes			Jin Dong	accepted for publication
007	Agent Technology			JJ Meyer	assigned
015	Application Program Interfaces				
052	Parameter Passing			Mark A. Weiss	accepted for publication
083	Context Sensitive Languages	Grammar: Context Sensitive, Context Free			
106	Programming Theory	Denotational Semantics			
212	Programming Languages	Lambda Calculus		Mariangiola Dezani-Ciancaglini, James Hindley	assigned

	Paradigms				
323	Procedural Programming				
164	Functional Programming			Olaf Chitil	assigned
226	Answer Set Programming	Logic Programming and Languages		Nicola Leone	assigned
280	Object-Oriented Programming				
079	Concurrent Programming	Concurrent Programming		H. Gomaa	accepted for publication
450	Visual Languages	Visual Languages and Programming		Phil Cox	assigned
	Languages				
409	Specification and Modeling Languages: UML			Bran Selic	assigned
019	Architecture Description Languages			Michel Wermelinger	assigned
185	Implementation Tools	CORBA, Java RMI, XML, DCOM, JavaBeans, Java, JavaScript and Hot Java, JINI, Microsoft .NET			
296	Parallel Languages			Lawrence Snyder	assigned
023	Assembly Languages			Willis King	accepted for publication
	COMPILERS				
	Components				
559	Program Compilers	Symbol Tables, Lexical Analysis, Syntactic Analysis, Parsing, Yacc, Code Generation and Optimization, Retargetable Optimization		Tony Sloane	assigned
222	List Processing				
	Types				
326	Program Assemblers			Bernd Burgstaller	assigned
328	Program Interpreters			Manuel Alfonseca	assigned
299	Parallelizing and Vectorizing Compilers (CR area 2)	Parallelizing Compilers: Dependence Analysis and Parallelization		Hai Xiang Lin	assigned
286	Optimizing Compilers			Ernst Leiss	accepted for publication
	OPERATING SYSTEMS				
	Concepts				
257	Multiprocessing	Processes and Multiprocessing			
037	Batch Processing in Computers	Batch Processing			
437	Time-Sharing Systems	Time Sharing, Disk Scheduling: Seek and Rotational Optimization, Blocking and Buffering		Angela Sodan	assigned
259	Data Flow and Multithreaded Architectures	Threads: Multithreading and Thread Pools			
261	Concurrency in Software Engineering	Mutual Exclusion: Semaphores, Monitors			
103	Network Routing Algorithms	Deadlocks: Prevention, Detection, and Avoidance			
	Network Operating Systems (CR area 1)				
369	Shells				
	Algorithms				
258	Multitasking and Scheduling Algorithms				
002	Databases	Access Methods and Control			
288	OS For Business Systems			Nijaz Bajgoric	assigned
441	Unix			Stephen Cass	assigned
459	Windows Systems	Windows			
291	OS For Wireless Devices			Adam Dunkels	assigned
241	Middleware for Distributed Systems (CR area 2)	OS For Internet Services		Richard E. Schantz	accepted for publication

289	OS For Graphics and Multimedia			David Yau	assigned
137	Embedded Operating Systems			Albert Cheng	accepted for publication
703	Feature Interaction and Program Entanglement				
705	Software Quality Classification Models			Amrit L. Goel	accepted for publication
706	Software Effort Prediction			Amrit L. Goel	accepted for publication
707	Software Cybernetics			Joao Cangussu	accepted for publication
	DATA (5) - Jeffrey Tsai				
487	Active Database Systems			Peter Scheuermann	accepted for publication
011	Algebraic Coding Theory	Reed-Solomon, Berlekamp-Massey, Algebraic Geometric Codes		Tor Helleseth	accepted for publication
561	Bioinformatic Databases			Jason Wang	accepted for publication
058	Channel Coding			S. Sandeep Pradhan	assigned
562	Collaborative System			Atul Prakash	assigned
563	Content-base Retrieval			Yong Rui, Xian-Sheng Hua	assigned
084	Cooperative Database Systems			Wesley W. Chu	accepted for publication
512	CoXML: Cooperative XML Query Answering			Wesley W. Chu	accepted for publication
	Cryptography (CR area 6)	Cryptographic Codes: DES, etc.			
096	Data Security (CR area 2)			De Capitani di Vimercati/Samarati	accepted for publication
092	Data Analysis			Arbee Chen	accepted for publication
564	Data Classification			Martti Juhola	assigned
488	Data Communication	data aspects		Oliver Yu	accepted for publication
565	Data Compression			Rashid Ansari	assigned
093	Data Compression Codes, Lossy	compression codes: DCT, quantization		Jarkko Kari	accepted for publication
489	Data Flow Analysis and Design				
490	Data Flow Testing				
511	Data Handling in Intelligent Transportation Systems			Peter Nelson	accepted for publication
094	Data Mining			Xindong Wu	assigned
566	Data Model				
491	Data Model Metrics				
492	System Monitoring			Tsai	accepted for publication
493	Data Privacy			David Scott	accepted for publication
095	Data Reduction				
494	Data Rights			Peter Watt-Morse	assigned
495	Data Search Engine			Weiyi Meng	accepted for publication
097	Data Structures and Algorithms			Panos M. Pardalos	accepted for publication
496	Data Visualization				
567	Data Warehouse			Stefano Rizzi	accepted for publication
098	Database Languages			Sheu	accepted for publication
	Database Machine (CR area 1)				
100	Database Models	database models and schema design			

101	Database Processing				
497	Database Theory				
498	Decision Support Systems: Foundations and Variations			Clyde Holsapple	accepted for publication
568	Decision Theory			Piotr Gmytrasiewicz	assigned
105	Deductive Databases			Jack Minker	accepted for publication
499	Digital Library			Edward Fox, Venkat Srinivasan	assigned
113	Discrete Event Systems			Stephane Lafortune	assigned
500	Disk Storage			Frank Zhigang Wang, Yuhui Deng, Na Helian	assigned
	Distributed Database (CR area 2)				
501	Entity Relationship Model			Ling Tok Wang, Mong Li Lee	accepted for publication
569	File Organization			Pavel Zezula, Vlastislav Dohnal, Michal Batko	assigned
570	File Server				
502	Fuzzy Set and Logic				
503	Transaction Processing in Mobile, Heterogeneous Database Systems			James B. Lim	accepted for publication
710	Hypermedia Markup Language			Dongwan Shin	assigned
186	Information Retrieval and Access				
504	Meta Data				
572	Mobile Communication	data management/databases			
573	Mobile Data Computing				
505	Mobile Database				
506	Multi Agent System	data management/databases		Xiaocong Fan	accepted for publication
507	Managing and Mining Multimedia Data, Animations and Annotations			Bhavani M. Thuraisingham	accepted for publication
279	Object-Oriented Databases			Elisa Bertino	accepted for publication
	Parallel Database Management Systems (CR area 2)				
574	Performance Evaluation	data management/databases			
	Quality of Service (CR area 2)	data management/databases			
575	Real Time Database System			Jan Lindstrom	assigned
350	Relational Databases			Dominique Laurent	accepted for publication
408	Spatial Databases			Shashi Shekhar	accepted for publication
417	Statistical Databases			Josep Domingo- Ferrer	accepted for publication
432	Temporal Databases			Abdullah Tansel	assigned
508	Uncertainty Data Management				
443	Very Large Databases			Garofalakis	accepted for publication
576	Video Database			Qing Li	assigned
509	Visual Database			Li Yang	accepted for publication
510	Service Oriented Architectures and Web Services			Louise Moser	accepted for publication
577	Process-Aware Information Systems: Design, Enactment, and Analysis			Will van der Aalst	accepted for publication
	FOUNDATIONS AND THEORY (6) - Prof. John Franco				
	DISCRETE MATHEMATICS AND COMBINATORICS				

578	Digital Arithmetic	computer arithmetic, floating point representations, number system		Jean-Michel Muller	accepted for publication
530	Boolean Functions	Boolean Algebra		McCrosky, Wang	assigned
163	Fractals			Mendivil	accepted for publication
531	Graph Theory and Algorithms			Kagaris	accepted for publication
322	Probability and Statistics			James L. Johnson	accepted for publication
532	Monte Carlo Simulation	Random Number Generation		Karl Sabelfeld	assigned
696	Markov Chain Monte Carlo Simulations	Metropolis, heatbath, cluster and other updating schemes, generalized ensembles		Bernd Berg	accepted for publication
533	Markov Chains			Adam Johansen	accepted for publication
534	Computational Number Theory	Computational Number Theory		Wayne Patterson	accepted for publication
535	Formal Logic	Formal Logic, Computational Logic, Undecidability		Miguel Palomino	assigned
	MATHEMATICAL PROGRAMMING				
537	Geometric Programming			Carlton Scott, Thomas Jefferson	accepted for publication
219	Linear and Nonlinear Programming			Danny Solow	accepted for publication
244	Mixed Integer Programming			Laurence Wolsey	accepted for publication
536	Mathematical Programming	Mathematical Programming and Optimization, Integer Programming			
383	Convex Optimization			Sapatnekar	accepted for publication
538	Dynamic Programming			Ryuichi Oka	accepted for publication
	COMPUTATIONAL THEORY				
539	Computability			S. Barry Cooper	assigned
579	Proofs of Correctness in Mathematics and Industry	Mathematical Proofs		Henk Barendregt	accepted for publication
540	Automata Theory	Automata and Languages: Finite State Machines, Turing Machines			
580	Probabilistic Automata			Roberto Segala	assigned
541	Cellular Automata			Samira El Yacoubi	assigned
320	Posets and Lattices			Gianpiero Cattaneo	accepted for publication
	Matroids				
581	Chomsky Hierarchy			Gheorghe Paun	assigned
542	Computational Complexity Theory	Computational Complexity: NP Completeness, Space-Time Tradeoffs		Eric Allender	accepted for publication
543	Computational Linguistics				
	NUMERICAL ANALYSIS AND METHODS				
017	Approximation Theory			Annie Cuyt	assigned
582	Round-Off Errors	Convergence and Error Analysis: Round-Off Errors		Fabienne Jezequel, Jean-Marie Chesneaux, Stef Graillat, Christophe Denis	assigned
234	Methods for Acceleration of Convergence (Extrapolation) of Vector Sequences			Avram Sidi	assigned
	Krylov Subspace Methods				

349	Regression Analysis			Sanford Weisberg	accepted for publication
544	Fourier Analysis	Fast Fourier Transforms			
545	Numerical Integration			Elise de Doncker	assigned
220	Linear Systems of Equations	Linear Systems of Equations: Direct Methods, Iterative Methods			
546	Least-Squares Approximations	Least Square Methods, Interpolations and Spline			
547	Eigenvalues and Eigenfunctions	Eigenvalues and Singular Values			
159	Finite Element Methods			Klaus Bathe	accepted for publication
256	Multigrid Methods			Mijalkovic	accepted for publication
	GEOMETRY				
068	Computational Geometry				
012	Algebraic Geometry			David A. Cox	accepted for publication
089	Cryptography (CR area 5)			Jonathan Katz	assigned
341	Randomized Algorithms				
583	Computer Algebra				
714	Information Algebras			Juerg Kohlas	assigned
	IMAGE PROCESSING, COMPUTER VISION, AND VISUALIZATION (7) - Prof. Rynson Lau, Dr. Mubarak Shah				
525	Sampling, Nyquist Theorem, Quantization, Entropy, Shannon's Source Coding Theorem, Channel Capacity, Rate Distortion				
524	Human Computer Interaction			Cooperstock	assigned
526	Lighting			Pattanaik	accepted for publication
529	Rendering			Reinhard	accepted for publication
527	Radiosity			Pattanaik	accepted for publication
515	Image-Based Rendering			Xiao	assigned
673	General Purpose Computation using Graphics Processors				
	GPU Architecture and Programmability				
675	Virtual Clothing			Nadia Magnenat-Thalmann	accepted for publication
676	Crowd Simulation			Daniel Thalmann	accepted for publication
677	Collision Detection			Ming Lin	assigned
678	Mesh Deformation			Hujun Bao	accepted for publication
679	Solid Modeling			Kin-Chuen Hui	accepted for publication
680	Surface Modeling			Kin-Chuen Hui	accepted for publication
681	Surface Deformation			Kin-Chuen Hui	accepted for publication
682	Parametric Surface Rendering			Frederick Li	accepted for publication
683	Computer Games			Frederick Li	accepted for publication
684	Interacting with the Virtual World				
685	Warping and Morphing			Shuntaro Yamazaki	accepted for publication
686	Ray Tracing: Basics			Henrik Wann Jensen	assigned

687	Ray Tracing: Acceleration Techniques			Felipe C�tedra	assigned
688	Parallel Ray Tracing				
689	Time Critical Rendering			Mark Green	assigned
690	Wireless and Mobile Technologies in VR				
691	Collaborative Virtual Environments: System Architectures			Qingping Lin	accepted for publication
692	Collaborative Virtual Environments: Web-based Issues			Qingping Lin	accepted for publication
693	Collaborative Virtual Environments: Applications			Qingping Lin	accepted for publication
694	Virtual Environments				
695	Computer Animation			Taku Komura	accepted for publication
697	Stylized Rendering of Point-based Methods			Baoquan Chen	assigned
698	High Quality Texture Mapping and Rendering of Point-Models			Baoquan Chen	accepted for publication
699	Digital Image Compression				
701	Volume Graphics and Volume Visualization			Min Chen	accepted for publication
704	Visibility Culling				
	COMPUTER VISION - Mubarak Shah				
	Image Formation				
584	Radiometric Modeling				
585	Geometric Modeling: Introduction to Projective Geometry, Single View Geometry, Stereo, Multiple View Geometry			Rimon Elias	assigned
	Camera Calibration Techniques				
589	Geometric Camera Calibration			Janne Heikkila, Juho Kannala, Sami Brandt	accepted for publication
590	Radiometric Camera Calibration			Len Hamey	accepted for publication
591	Camera Self Calibration			Peter Sturm	assigned
	Low Level Image Analysis				
593	Image Noise				
594	Image Filters: Frequency Domain Image Analysis, Linear Filters, Nonlinear Filters, Image Enhancement and Restoration				
	Image Features				
598	Color Models			Mark Drew	assigned
599	Color Perception			Mark Drew	accepted for publication
600	Texture: Texture Models, Statistical and Syntactical Representation and Analysis			Xiuwen Liu	assigned
603	Edge Detection in Gray Scale, Color and Range Images			Yi Lu Murphey	accepted for publication
606	Lines and Curves Representation, Detection				
608	Corners and Interest Points				
609	Scale Space			Tony Lindeberg	accepted for publication
	Perceptual Organization				
610	Theory and Algorithms of Perceptual Grouping			Andrea Salgian	assigned
611	Figure-Ground Problem				
	Image Segmentation				
614	Image Segmentation by Region-based and Watershed Algorithms			Allan Hanbury	accepted for publication
616	Segmentation by Clustering Pixels				

617	Graph Theoretical Techniques for Image Segmentation				
618	Active Contours: Snakes			Alper Yilmaz	accepted for publication
619	Level Set Methods			Alper Yilmaz	accepted for publication
	Shape				
620	2D Shape Representation and Analysis			Ibrahim El Rube, Mohamed Kamel	assigned
621	Skeletons and Axial Descriptions				
622	Image Morphology				
	3D Shape Representation and Analysis				
624	3D Shape Representation and Analysis: Generalized Cylinders				
625	3D Shape Representation and Analysis: CAD Based Shape Models				
626	3D Shape Representation and Analysis: Superquadrics Representations and Parameterized Shape Models				
627	3D Shape Representation and Analysis: Active Volumes, 3D Snakes and Deformable Solids				
628	Shape from X Techniques: Shape from Shading, Multiple Views, Specularities, Photometric Stereo, Texture and Motion			Ariel Tankus, Yehezkel Yeshurun, Nir Sochen	assigned
634	Object Recognition, Appearance Based, Model Based				
637	Face Recognition Techniques			Wen-Yi Zhao	accepted for publication
	Motion				
638	Optical Flow Computation			Massimo Tistarelli	assigned
639	Ego Motion Computation: Image Registration Techniques, Mosaics, Motion Segmentation and Motion Layers, Moving Object Segmentation and Detection			Rene Vidal	assigned
	Object Tracking				
	Statistical Methods for Target Tracking	Kalman Filter, Particle Filter, Multiple Hypothesis Tracking, Multi-Target/Multi-Sensor Tracking, Meanshift Tracking		Simon Maskell	assigned
650	Point Correspondence			Yonghuai Liu	assigned
651	Contour Tracking			Alper Yilmaz	accepted for publication
652	Tracking Across Multiple Cameras				
	Motion Based Recognition				
653	Actions/Events: Event Ontology, Event Models and Representations, Event Understanding and Recognition			Yuri Ivanov	assigned
656	Actions/Events: Human Actions Recognition				
657	Actions/Events: Gait Recognition			Mark Nixon	assigned
	Applications				
658	Autonomous Surveillance Systems			Bart Everett	assigned
	Autonomous Vehicles: Localization, Path Planning, Road Following				
663	Active Vision Techniques			Nikolaos Papanikolopoulos	assigned
664	Image/Video Retrieval			Alex Hauptman	assigned
665	Medical Image Processing			Ashraf Kassim	accepted for publication

666	Inspection and Fault Detection Systems			Arun Somani	assigned
667	Document Analysis and Recognition			R. Manmatha	assigned
668	Fingerprint Identification			Bir Bhanu	accepted for publication
	APPLICATIONS (8) - Prof. Michael Berry				
	COMPUTING APPLICATIONS				
181	Home Automation			Christos Douligeris	accepted for publication
182	Home Computing Services			Norbert Mundorf	accepted for publication
282	Ocean Modeling and Engineering				
456	Weather Modeling				
233	Applications of Computer Simulations to Materials Physics			Luciano Colombo	assigned
025	Astronomy Applications				
005	Software Engineering in Aviation	Aerospace Applications: Boeing 777 designs, Airbus, NASA, etc.			
010	Aircraft Computers			Charles Satterthwaite	accepted for publication
314	Physics Computing				
026	Astronomy Computing				
364	Seismic Wave Modeling			Dheeraj Bhardwaj	assigned
140	Environmental Science Computing	Environmental Science Computing, Instrumentation		Zahari Zlatev	assigned
352	Remote Sensing: Information Processing			Chi Hau Chen	accepted for publication
170	Geographic Information Systems			J. Raul Ramirez	accepted for publication
034	Secure Banking Applications				
129	Electronic Funds Transfer (EFT)				
072	Computer Art			Charles Falco	assigned
075	Multimedia Audio	Computer Music, Electronic Music: Digital Audio		Eduardo Miranda	assigned
669	Musical Instruments				
721	Algorithmic Music			David Cope	assigned
722	Computer Music Composition/Analysis			David Cope	assigned
076	Computerized Dictionaries: Integrating Portable Devices, Translation Software and Web Dictionaries to Maximize Learning			John Paul Loucky	accepted for publication
158	Stock Markets	Financial Applications: Stock Market		Shu-Heng Chen	assigned
235	Medical Expert Systems	Medical Applications: Hospital Information Systems		Shusaku Tsumoto	assigned
	Personal Information Management Systems (CR area 1)				
043	Biomedical Engineering				
217	Library Automation				
134	Office Automation	Electronic Office: Office Automation		Thomas Haigh	assigned
110	Advanced Publishing Technologies and Services	Desktop Publishing: Word Processing, Fonts, Metafont, PostScript			
415	Spreadsheet Programs	Spreadsheet		Margaret Burnett, Robin Abraham, Martin Erwig	assigned
414	Spell Checker			Sandor Dembitz	assigned
243	Management Information Systems (MIS)				
374	Perceptions of Technology	Social Science Applications			

319	Political Applications			Steve Seitz	assigned
438	Transaction Processing			Zhang	accepted for publication
127	Domestic Appliances				
	Expert Systems (CR area 3)	Expert Systems: MYCIN, CASENET, MEDIKAS, INTERNIST			
073	Computer Chess				
067	Computational Fluid Dynamics				
135	Electronic Warfare			Robert Inkol	assigned
196	Intelligent Power System			Zita Vale	assigned
074	Computer Games	Computer Games: Arcade; Instructional Games		Jos Uiterwijk, Jaap van den Herik, Hiroyuki Iida	assigned
190	Inspection in Semiconductor Manufacturing				
077	Computers in Entertainment Industry: Graphics, Animation				
078	Set-Top Boxes (CR area 1)	Computers in Home Entertainment: Set-Top Boxes, Game Boxes		Antonio Navarro	assigned
251	Motion Analysis By Computers				
	ROBOTICS				
359	Expert Decision System for Robot Selection	Robotics		E. E. Karsak	assigned
029	Manufacturing Processes	Automated Manufacturing		Narayanan	accepted for publication
070	Research Initiatives	Computer Aided Manufacturing			
311	PERT	PERT/CPM			
252	Robot Dynamics	Motions and Transformations			
670	Mobile Robots				
671	Torquemeters				
672	Tactile Sensors			Masahiro Ohka	assigned
184	Machine Vision for Robotics and Inspection	Image Formation and Analysis			
342	Range Images	Range Estimation			
318	Robot Path Planning	Planning: Motion, Grasp, Task		Calin Belta	assigned
204	Robot Kinematics	Kinematics: Forward, Inverse, Velocity		Zhuming Bi	assigned
358	Position Control	Robot Control and Dynamics			
	COMPUTING MILIEUX (9) - Prof. John Impagliazzo				
	PROFESSIONAL ISSUES				
909	Ethics and Professional Responsibility in Computing	Ethics		Michael Loui	accepted for publication
911	Social and Ethical Aspects of Information Technology	Computer Crime			
	Network Security Fundamentals (CR area 2)	Computer Virus			
913	Computer Security	Computer Privacy			
914	Intellectual Property	Protection and Copyright of Intellectual Property			
	STANDARDS				
915	Software Standards (CR area 4)	Standards Organizations, Programming Language Standards	ISO, IEEE	James W. Moore	assigned
	COMPUTING DISCIPLINES				
920	Computational Intelligence	Computational intelligence		Peters	accepted for publication
934	Education and Training in Software Engineering	Computer Engineering, Computer Science, Computing Curriculum		Bagert	accepted for publication
922	Systems Engineering Trends	Information engineering			

923	Information Science	Information science			
924	Human Factors in Software Development	Cognitive science			
926	Operations Research Decision Making	Operations research			
927	Information Theory	Information theory		Xiaolei Huang	assigned
929	Behavioral Sciences and Computing	Behavioral science and engineering		Richard DeLisi	accepted for publication
930	Cybernetics	Cybernetics		Alex Andrew	accepted for publication
931	Information Technology	Information technology		Andrew P. Sage	accepted for publication
932	Biology Computing (CR area 1)	Bio-computing		DasGupta	accepted for publication
933	Information Systems and Computer Science and Engineering	Information systems	Presentation of information systems in contrast to computer science and computer engineering	Appa Rao Korukonda	assigned
	EDUCATION				
935	Computer-Aided Instruction	Computer aided instruction (CAI)	authoring, tutoring, testing, management	Bruce Mann	accepted for publication
937	Distance Education in Computing	Distance education		Mark Pullen	assigned
938	Computer Supported Asynchronous Learning: The Relevance of Communication and Facilitation	Asynchronous learning		Andrea Kienle	assigned
940	Continuing Education	Continuing education			
942	Computer Engineering Education	Education in computing	North America, Europe, Asia, etc.	M. Hamada	assigned
943	Computing Accreditation: Evolution and Trends Associated with United States Accrediting Agencies	Accreditation in Computing	will discuss accreditation issues and how they affect computing education	Gayle Yaverbaum	accepted for publication
944	Computing K-12: Overview			Bruria Haberman	assigned
	Computing K-12: Primary Level		recent efforts by ACM to develop a modern school curriculum in computer science	Giovanni Bianco and Tim Bell	assigned
	Computing K-12: Secondary Level			Noa Ragonis	assigned
945	Mathematics for Computer Science and Engineering	Mathematical issues	an in-depth discussion on the topics and level of mathematics needed in developing a computer science and computer engineering professional		
	Using Digital Libraries in Computing Education (CR area 5)	Digital Libraries	provide ways in which computing educators can benefit from use of digital libraries in their classes		
	COMPUTING PROFESSION				
947	Professional Preparation	Computing profession			
948	Licensing and Certification of Software Engineering Personnel	Personnel	programmers, system analyst, software engineer, etc.	Barrie Thompson	assigned
	Education and Training in Software Engineering (CR Area 9)	Scientific and technical societies	AAAI, ACM, IEEE-CS, BCS, CRA, ICCP, etc.		
	COMPUTER INDUSTRY				
950	Information Technology Industry	Computer industry			
952	Knowledge Bases	Engineering ontologies		John Strassner	assigned
953	Practicing Software Engineering	Software engineering practice	explanation of software engineering practice in the industrial community		

954	Safety-Critical Systems	Safety-Critical Systems	a discussion on the safety issues that need awareness in designing computer systems	Andrew McGettrick	assigned
	POTPOURRI				
956	Fixed-Point Computer Arithmetic	Computer arithmetic	an overview of the manner in which computers do ordinary arithmetic	Earl E. Swartzlander	accepted for publication
907	Floating-Point Computer Arithmetic			Earl E. Swartzlander	accepted for publication
957	Quality in Computing Education	Quality issues	an in-depth discussion on fostering quality in computing education	Andrew McGettrick	accepted for publication
958	Distributed Memory Parallel Systems	Distributed systems			
959	Fluency with Information Technology			Larry Snyder	accepted for publication
	Wireless Networks			Mohammed Samaka	accepted for publication
548	Great Principles of Computing			Peter Denning	assigned
960	Locality Principle			Peter Denning	assigned
961	Choice Uncertainty Principle			Peter Denning	assigned
962	Structure of Field of Computer Science			Peter Denning	assigned
963	Structure of Operating Systems			Peter Denning	assigned
964	Virtual Memory			Peter Denning	assigned
965	Working Set			Peter Denning	assigned
966	Throughput			Peter Denning	assigned
967	Thrashing			Peter Denning	assigned
968	Swapping			Peter Denning	assigned
969	Overhead			Peter Denning	assigned
970	Monitor, Synchronization			Peter Denning	assigned
560	Kernel			Peter Denning	assigned
971	Queueing Network Models			Peter Denning	assigned
904	Von Neumann Computers (CR area 1)	Computer Pioneers, Origin of Digital Computers, Von Neumann Computer: Stored Program Concept, Assembly Language Programming	Turing, Shannon, Babbage, etc.; ABC, ENIAC, EDVAC, EDSAC, Differential Analyzer, etc.		
	WOMEN IN COMPUTING (edited by Denise Gurer)				
	History				
472	History of Women in Computing: Pioneering Women in Computing			Denise Gurer	accepted for publication
473	History of Women in Computing: American Women in Early Computing History			Jennifer Light	accepted for publication
	International Perspectives				
474	International Perspectives on Women in Computing: Women in Computing in Sweden			Christina Bjorkman	accepted for publication
475	International Perspectives on Women in Computing: Canadian Women in Computer Science			Anne Condon, Rhian Davies, Mark Hancock	accepted for publication
476	International Perspectives on Women in Computing: Women in Computing in Australia			Annemieke Craig	accepted for publication
477	International Perspectives on Women in Computing: Women and Computer Science in South Africa			Vashti Galpin	accepted for publication
479	International Perspectives on Women in Computing: From Ada to Lara: UK Women in Computing			Ursula Martin	accepted for publication

480	International Perspectives on Women in Computing: Women in Computing in Austria			Margit Pohl, Sylvia Wiltner	accepted for publication
481	International Perspectives on Women in Computing: Women in the IT Profession in India - The Millennium Scenario			M. Suriya	accepted for publication
	Scarcity				
482	Scarcity of Women in Computing			Ellen Spertus	accepted for publication
483	Scarcity of Women in Computing: Attracting and Retaining Women Undergraduates in Computer Science			Joanne McGrath Cohoon	accepted for publication
484	Scarcity of Women in Computing: Why Do Undergraduate Female Students Reject Computer Science as a Major, and Why Do Those That Start Out as Majors, Later Drop Out?			Gloria Townsend	accepted for publication
485	Scarcity of Women in Computing: Why are There so Few Female Graduate Students? How Can We Attract and Retain More?			Paula Gabbert	accepted for publication

Quantum Computing

J. Gruska

assigned