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<th>Title</th>
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</tbody>
</table>

Keywords

Thin-film magnetic device design, fabrication, and testing; magnetic disk and tape recording

Keywords

Computer security, access control, program monitoring, security automata, policy specification
Keywords

Coding and signal processing for data storage, biometrics, pattern recognition
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Keywords

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Keywords

Test and diagnosis of heterogeneous, integrated systems
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Keywords

CAD and design of analog signal processing circuits and MEMS systems
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Keywords

Optics, Neural Interfaces, Photonic Integrated Circuits, Plasmonics, Sensing

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Keywords

Multimedia coding and streaming, computer vision, pattern recognition, computer graphics, multimodal biometrics

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Keywords

Hyper-redundant mechanisms, coverage, car-painting, de-mining, mobile robots, motion planning, hybrid controls

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Keywords

Computer security, network security, online crime, security economics, usable security, algorithmic applications of game theory

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Keywords

Usable privacy and security

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**Keywords**

mobile and space robotics, human-robot interaction, mechatronics, automated manufacturing

Databases, data mining, multimedia indexing, performance evaluation

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**Keywords**

Computer architecture, memory systems, multiprocessor architecture, architectural support for gigascale integration, design evaluation tools

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Microelectromechanical systems (MEMS), RF MEMS, inertial/bio/chemical sensors, MEMS CAD, micro-robotics

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Keywords

Molecular beam epitaxy, scanning tunneling microscopy

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Keywords

Automatic performance tuning; automatic software libraries generation; code generation for multicore CPUs, high-performance systems (HPC), GPUs, FPGA-acceleration; logic-in-memory and 3DIC systems; domain-specific languages and compilers

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Keywords

Security, privacy, formal methods, and programming languages.

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Keywords

cloud computing, storage/file systems, operating systems, distributed systems

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Keywords

Computer architecture, operating systems, file systems, disk arrays

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Keywords

Systems Nanotechnology, Programmable Matter, Reconfigurable Computing, Parallel Computing, Compilers, Architecture

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Keywords

Semiconductor device physics and semiconductor process technology, sensors

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Keywords

Scheduling of computer systems, workload characterization, heavy-tailed distributions

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Keywords
power systems, optimization, control, energy networks, decomposition

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Keywords
Mobile and embedded computing, scalable systems, sensor networks, emergency communications systems

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Large-scale systems modeling and simulation; power systems control and pricing algorithms; critical infrastructures/interdependencies

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Keywords
Language-based security, programming languages, logic and program verification.

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Keywords

Network economics and pricing, cloud computing, mobile/edge computing

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Keywords

Robotics, Innovation, and Software Engineering, focusing on Technological Change and Technology Transfer

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Keywords

performance analysis, cloud computing, machine learning

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Keywords

Computer vision, autonomous systems, medical robotics

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Keywords

Distributed Information Processing, Multi-Agent Decision Making, Adaptive Stochastic Systems

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agent-based design and control, S/W engineering for real-time systems, distributed robotics, distributed information systems, Secure Embedded Software/Systems, Sensor Networks

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Advanced switch and network architectures, fault-tolerant network architectures, network management and control

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distributed embedded systems, survivable system architecture, dependability

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Keywords

Signal processing, biomedical, wavelets, frames, multiresolution, communications

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Keywords

Synthesis and verification of embedded control software, distributed control strategies, distributed supervisory control, information and control in wireless sensor networks, discrete event and hybrid dynamic systems
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Magnetic recording, optical recording and ferroelectric materials

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Physical and chemical sensors, transducers, MEMS, magnetism, materials, thin films, data storage and RF devices

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Digital circuit design, computer architecture, memory design, reconfigurable computing

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Keywords
Computer-aided design and manufacturing of VLSICs

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Keywords
VLSI/computer architecture, energy aware computing, CAD for integrated systems

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Keywords
Embedded systems, multicore systems, on-chip communication, low-power design, cyber-physical systems.

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Keywords
Computer dependability and security; information warfare; intrusion detection; system diagnosis
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Keywords
Technology and policy including climate change and electric power

Communications, statistical signal/image, video, and multimedia processing, wavelet transforms

Computer architecture, compilers, operating systems, parallel processing

Analog/RF/MEMS/biofluidic microsystem design

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Keywords
Computer architecture, hardware/software interaction, operating systems, fault tolerance

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Keywords
Digital Design, Embedded Systems, Networks

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Keywords
fault tolerance, distributed systems, embedded systems, mobile systems

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Keywords
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Keywords
Wireless systems, networking, sensor networks, signal processing, coding for communications, information theory

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Keywords
Scientific computing, parallel computing, computational database systems, and virtualization

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Keywords

Fast computing, algorithms, applied mathematics, and signal processing (theory, software, hardware)

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Keywords

Telecommunications, wireless networks, internet, spectrum management, communications for homeland security, electronic commerce, developing countries, universal service, security

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Keywords

Information and systems security, focusing on network security (internet, mobile computing, and sensor
networks) as well as on trusted computing.

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**Keywords**
MEMS, NEMS, nanotechnology, microfabrication, integration of electronics with M/NEMS

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**Keywords**
Design, implementation and modeling of electronic integrated systems

**Platzer, Andre**
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**Keywords**
Verification of embedded control systems, hybrid dynamical systems, cyber-physical systems, distributed hybrid systems, logic and formal methods

**Rajkumar, Raj**
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**Keywords**
Embedded and real-time systems

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**Keywords**

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Embedded systems, distributed systems, sensor networks
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Keywords
VLSI CAD, algorithms, analog and digital circuits, automatic speech recognition
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Keywords
Biometric identification, Cyber-Physical Security, Authentication, Pattern recognition
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Keywords

Semiconductor devices, information storage, optoelectronic systems

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Keywords

Networking, Security, Systems, Software-defined networking, Internet-of-Things security

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Keywords

Network protocols, applications, distributed systems, mobile computing, wireless networks

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Keywords

Modern superscalar processor design, instruction-level parallelism and code scheduling

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Keywords

Computer architecture, reliability, context aware mobile computing

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Keywords

Networked embedded control systems, sensors/actuators networks, control theory
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Keywords

Telecommunications policy and economics
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Keywords

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Keywords

Computer networks, distributed systems, pervasive computing
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Keywords

Automatic speech recognition, auditory perception, signal processing
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Keywords

Statistically based CAD/CAM of VLSI circuits
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Keywords

Audio signal processing, music and sound recording applications
T

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Keywords

Network security; Wireless networking
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Keywords

Autonomous agents, distributed control, power systems, cascading failures
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Keywords
Computer-aided design of single chip heterogeneous multiprocessing systems

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Keywords
Optical networks, wireless networks and communications systems, and high-speed networking

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Keywords
Photonics, optical networks, biophotonics, sensors, quantum phenomena in optical materials.

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Keywords

Computer networks, internet, resource management, multimedia

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Keywords

Sensor Networks, Embedded Systems

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Keywords

Micromagnetics, magnetoelectronic devices, magnetic recording