This year we will celebrate 20 years of SPAA with a series of invited talks, a special track on multicore systems, and a poster session. Contributed papers are sought in all areas of parallel algorithms and architectures. SPAA defines the term “parallel” broadly, encompassing any computational system that can perform multiple operations or tasks simultaneously. Topics include, but are not limited to:

• Parallel and Distributed Algorithms & Applications
• Parallel Complexity Theory
• Multi-Core Architectures
• Compilers and Tools for Concurrent Programming
• Transactional Memory Hardware and Software
• Game Theory and Collaborative Learning
• Resource Management and Awareness

• Mobile Ad-Hoc and Sensor Networks
• Parallel and Distributed Data Structures
• Parallel and Distributed Architectures
• Instruction Level Parallelism and VLSI
• Supercomputer Architecture and Computing
• The Internet and the World Wide Web
• Routing and Information Dissemination
• Peer-to-Peer Systems
• Robustness, Self-Stabilization and Security


Authors of contributed papers are encouraged to submit their manuscript electronically. More information can be found at:

http://www.spaa-conference.org/