Association for Computing Machinery

Advancing Computing as a Science & Profession

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TO: United States Consulate
People's Republic of China

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The Association for Computing Machinery (ACM) is a non-profit international scientific and educational organization dedicated to advancing the art, science, engineering, and application of information technology, serving both professional and public interests by fostering the open interchange of information and by promoting the highest professional and ethical standards. ACM will be sponsoring the 29th edition of the ACM Great Lakes Symposium on VLSI (GLSVLSI 2019), from May 9-11, 2019, in Washington, D.C., under the leadership of the ACM Special Interest Group on Design Automation (SIGDA) Attendance is open to all those interested in the subject matter.

GLSVLSI 2019 is a premier international conference on applied computing and technology. Attendees have the opportunity to hear from expert practitioners and researchers about the lasted trends in research and development in their fields. Both theoretical and experimental research results are welcome. Proceedings will be published by the ACM and will be available through the ACM Digital Library. Original, unpublished papers describing research in the general area of VLSI and hardware design are solicited. In addition to the traditional topic areas of GLSVLSI listed, papers for GLSVLSI 2019 are solicited for a special theme of, "In-Memory Processing for Future Electronics." Traditional topics and discussions for papers and panels at GLSVLSI include: VLSI design, ASIC and FPGA design, microprocessors/micro-architectures, embedded processors, analog/digital/mixed-signal systems and circuits, bio-inspired and neuromorphic circuits and systems, biosensors, implantable and wearable devices, VLSI circuits and power aware, computer-aided design (CAD), hardware/software co-design, high-level synthesis, logic synthesis, CAD tools for biology and biomedical systems, algorithms and complexity analysis, testing, reliability, fault-tolerance, emerging computing & Post-CMOS technologies, nanotechnology, molecular and quantum computing, approximate and stochastic computing, sensor and sensor networks, post CMOS VLSI, hardware security, VLSI for machine learning and artificial intelligence, microelectronic systems education, pedagogical innovations using a wide range of technologies such as ASIC, FPGA, multicore, GPU, Educational techniques including novel curricula and laboratories, assessment methods, distance learning, textbooks, and design projects, Industry and academic collaborative programs and teaching.

Zhen Zhuang is a co-author of a paper accepted for presentation at this conference titled, "RDTA: An Efficient Routability-Driven Track Assignment Algorithm." Authors are expected to attend the conference to present their research and answer questions about it.

The importance of computing to the future is unquestioned, and the critical role of the computing professional is constantly changing. ACM's broad array of life-long learning and skill development opportunities include tutorials, workshops, conferences, online books, online courses, and the ACM Digital Library. This extensive range of options and opportunities make it possible for computing professionals to keep abreast of technology and maintain a competitive advantage.

The Association for Computing Machinery (ACM) is the world's leading educational and scientific computing society and the resource for lifelong learning in the rapidly changing field.

Sincerely,

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