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Introduction

The VCIP 2010 organizing committee is excited to welcome each of you to this year's conference in Huangshan, China. The city of Huangshan is named after its famous Yellow Mountain. The area's odd-shaped pines, grotesque rock formations, seas of clouds, and crystal-clear hot springs are the four wonders of Yellow Mountain. Unlike other scenic areas where the view is all in sight, the Yellow Mountain offers a constantly changing panorama that stirs up vivid imagination. It is at all times a great pleasure to visit. You will not regret coming to VCIP 2010.

VCIP is the first conference dedicated to visual processing and communications. It has become a leading forum for the presentation of fundamental research results and technological advances in the field of visual communications and image processing. This is the sixth time that VCIP has ever been hosted outside of the USA, preceded by Beijing in 2005, Lugano in 2003, Perth in 2000, Taipei in 1995, and Lausanne in 1990. It is a great honor to host VCIP in mainland China for a second time.

This year, we have received a total of 195 high quality submissions. Among them, 42 were accepted as oral, 31 as poster and 40 as special session papers, for a total of 113 accepted papers. The acceptance rate for regular submissions is around 28% as oral and 21% as poster, excluding the special sessions where the majority is invited. VCIP 2010 features a rich and diversified program, including three keynote speeches, six tutorials, eight special sessions, eight regular oral sessions, two poster sessions, two panel discussions, and demo sessions. An exciting banquet will be held with best paper awards ceremony.

VCIP 2010 is hosted by the University of Science and Technology of China and the Chinese Academy of Sciences, and is co-hosted by Microsoft Research Asia and the National Natural Sciences Foundation of China, with technical cosponsorship from SPIE and the IEEE Circuits and Systems Society. In addition, VCIP 2010 has received financial support and sponsorship from Chinese Academy of Sciences, National Natural Sciences Foundation, and Microsoft Research Asia. We would also like to express our gratitude for the support of Huawei Technologies Co., Ltd., whose generous contribution has allowed us to select two outstanding papers to receive best paper awards.

As in the past, we rely on the dedicated and patient help of the SPIE staff for publishing the VCIP proceedings. Thanks to their efforts, VCIP 2010 is able to provide the CD-ROM of the proceedings on site and on time.

We would like to thank our local hosts, the organizing committee members and chairs, the SPIE staff, the sponsoring societies and organizations, the sponsors, the

program committee who have spent hours of their time reviewing the large number of submissions and providing valuable comments to the authors, and also all the participants for contributing to the success of VCIP 2010. Without your contributions, there would never be this greatest VCIP!

Bernd Girod, Shipeng Li, Guo Wei
General Cochairs

Pascal Frossard, Houqiang Li, Feng Wu
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