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   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   3D Scene Modeling -- Image Analysis -- Intelligent Vision Applications
                        -- Multimedia Compression and Transmission -- Multimedia Signal
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                        Sensor Technologies -- Visualization.

   Sommario/riassunto   The conference of the 1st IEEE Paci?c-Rim Symposium on Image and
                        Video Technology (PSIVT 2006) was held at Hsinchu, Taiwan, Republic
                        of China, on December 11–13, 2006. This volume contains papers
                        selected for presentation at this conference. The aim of this conference
                        was to bring together theoretical advances and practical
                        implementations contributing to, or being involved in, image and video
                        technology. PSIVT 2006 featured a comprehensive program including
                        tutorials, keynote and invited talks, oral paper presentations, and
                        posters. We received 450 s- missions from 22 countries and accepted
                        141 papers among those (i.e., de?ning an acceptance rate of 31.3%).
                        The intention was to establish PSIVT as a t- quality series of symposia.
                        Decisions were di?cult sometimes, but we hope that the ?nal result is

acceptable to all involved. Besides keynotes and invited talks, PSIVT 2006 o?ered 76 oral presentations and58posters, accordingtotheproperregistrationofthesepapersbythede?ned deadline. We deeply appreciate the help of the reviewers, who generously spent their time to ensure a high-quality reviewing process. Useful comments were provided by reviewers, often quite detailed, and they certainly o? ered authors opportunities to improve their work not only for this conference, but also for future research.