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Engineering I -- Chance Discovery I -- Information Hiding and Multimedia Signal Processing -- Soft Computing Techniques and Their Applications I -- Intelligent Agent Technology and Applications II -- Smart Systems -- Knowledge – Based Interface Systems -- Intelligent Information Processing for Remote Sensing -- Intelligent Human Computer Interaction Systems -- Experience Management and Knowledge Management -- Network (Security) Real-Time and Fault Tolerant Systems -- Advanced Network Application and Real-Time Systems -- Approaches and Methods of Security Engineering II -- Chance Discovery II -- Intelligent Watermarking Algorithms -- Soft Computing Techniques and Their Applications II.

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#### Sommario/riassunto

Dear delegates, friends and members of the growing KES professional community, we come to the proceedings of the 9th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems hosted by La Trobe University in Melbourne Australia. The KES conference series has been established for almost a decade, and it continues each year to attract participants from all geographical areas of the world, including Europe, the Americas, Australasia and the Pacific Rim. The KES conferences cover a wide range of intelligent systems topics. The broad focus of the conference series is the theory and applications of intelligent systems. From a pure research field, intelligent systems have advanced to the point where their abilities have been incorporated into many business and engineering application areas. KES 2005 provided a valuable mechanism for delegates to obtain an extensive view of the latest research into a range of intelligent-systems algorithms, tools and techniques. The conference also gave delegates the chance to come into contact with those applying intelligent systems in diverse commercial areas. The combination of theory and practice represented a unique opportunity to gain an appreciation of the full spectrum of leading-edge intelligent-systems activity. The papers for KES 2005 were either submitted to invited sessions, chaired and organized by respected experts in their fields, or to a general session, managed by an extensive International Program Committee, or to the Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP) Workshop, managed by an International Workshop Technical Committee.

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