

## Intelligent robotics and applications : 5th international conference, ICIRA 2012, Montreal, QC, Canada, October 3-5, 2012 : proceedings, part III

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### Abstrak

The three volume set LNAI 7506, LNAI 7507 and LNAI 7508 constitutes the refereed proceedings of the 5th International Conference on Intelligent Robotics and Applications, ICIRA 2012, held in Montreal, Canada, in October 2012. The 197 revised full papers presented were thoroughly reviewed and selected from 271 submissions. They present the state-of-the-art developments in robotics, automation and mechatronics. This volume covers the topics of robot actuators and sensors, robot design, development and control, robot intelligence, learning and linguistics, robot mechanism and design, robot motion analysis and planning, robotic vision, recognition and reconstruction, and planning and navigation.