

CALL FOR PAPERS



Special Session on *Machine Vision, Control and Navigation*

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
October 21-23, 2018, Washington D.C, USA



TOPIC OF THE SPECIAL SESSION

Machine Vision have a large number of applications in search, classification, industrial robotics, rescue, vigilance, mapping, audiovisual, and other areas where vision-based machine control play an important role. Hence, it is necessary to create new algorithms and systems to improve their performance. Although machine vision, control systems and navigation applications are the primary interest in this special session, the conjunction use of these technologies and automatic systems are desirable. Each contribution, applications or innovations for any of these fields are welcome in this special session.

Topics of the Session

- Laser scanning
- Autonomous navigation
- Visual servoing techniques in mobile robots
- Innovative solutions in stereo vision applications
- Vision-based target detection and tracking
- Visual control with constraints
- Control of industrial robotics
- Visual inspections in industry
- New trends in visual control
- Surface mapping and recognition
- Mobile robots

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Author's schedule:

- Deadline for submission of special session papers
May 1, 2018
- Notification of acceptance
July 15, 2018
- Deadline for submission of final manuscripts
August 1, 2018

For additional information please visit www.iecon2018.org