

IEEE International Symposium on Industrial Electronics ISIE'17

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Special Session on

“Machine vision, control and navigation”

organized by

Principal Organizer: Dr. Oleg Sergiyenko (srgnk@uabc.edu.mx)
Engineering Institute of Autonomous University of Baja California.

Organizer 1: Dr. Julio C. Rodriguez-Quiñonez
(julio.rodriguez81@uabc.edu.mx)
Engineering Faculty of Autonomous University of Baja California.

Organizer 2: Dr. Wendy Flores-Fuentes (flores.wendy@uabc.edu.mx)
Engineering Faculty of Autonomous University of Baja California.

Organizer 3: Dr. Moises Rivas-Lopez (mrivas@uabc.edu.mx)
Engineering Institute of Autonomous University of Baja California.

Call for Papers

Machine vision, control and navigation applications have attracted a great interest for their outdoor and indoor applications. 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 our primary interest is in automatic systems in all their aspects, several control and navigation applications have a close relation with these systems. Each contribution, applications or innovations for any of these fields are welcome in this special session.

Topics of interest include, but are not limited to:

- 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

Submission procedure, deadlines, and author instructions:

A manuscript submitted to the Special Session of ISIE 2017 must be in the IEEE double format with single space 10p fonts and figures included in the text, so the length of the manuscript of 8 pages long in PDF format can be evaluated. For your convenience you may download the [WORD template.doc](#) from the conference website: <http://www.ISIE2017.org>

Deadlines:

- Reception of full paper: December 15th 2016
- Paper acceptance notification: March 1st 2017
- Camera ready paper reception: April 10th 2017