

# IEEE SMC 2014

IEEE INTERNATIONAL CONFERENCE ON  
SYSTEMS, MAN, AND CYBERNETICS

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<http://www.smc2014.org/>  
**Special Session Call for Papers**  
**SMC 2014 Special Session on Shared Control**

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**Introduction/Call for Papers**

Prospective authors are invited to submit original papers to the Special Session, which is organised for the fourth consecutive year at the IEEE SMC conference.

Over the past decades the principles of shared control have been gaining interest in the research and engineering community as a design approach that integrates the best of both worlds: the fast, reliable, precise and inexhaustible task execution capabilities of automation and the complementary inventive, adaptive and interactive task execution skills of humans. Recent research has shown that shared control can enhance the capabilities of both human and automation in a wide variety of applications (driving, flying, wheelchair control, tele-operation of robots, etc.). We particularly encourage papers that focus on the design and/or evaluation of shared control systems.

We would also like to encourage prospective authors to actively participate in an accompanying workshop, which we are organising to be co-located at SMC 2014. This will be the third workshop on Shared Control at IEEE-SMC in which we want to continue to strengthen the discussion in the Shared Control community on common principles for the design and evaluation of shared control systems.

**Indicative Topics/Areas**

Haptics and Teleoperation; Adjustable Autonomy; Assistive Technology; Brain-Machine Interfaces; Human Centred Design; Human-Machine System Design; Intelligent Vehicle Technology; Cyber Technology; Prosthetics; Human Factors; Context Awareness.

**Important Dates**

April 7, 2014: Deadline for submission of full-length papers to special sessions.

May 25, 2014: Acceptance/Rejection Notification.

July 9, 2013: Final camera-ready papers due in electronic form.

**Submission**

Please contact the Special Session organizer for arrangement of submission in the first instance. Manuscripts for a Special Session should NOT be submitted in duplication to any other regular or special session.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper). The technical reviewers for each Special Session paper will be members of the SMC 2014 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

**IEEE Technical Committee on Shared Control**

Website: [http://www.ieeesmc.org/technicalcommittess/tc\\_shc.html](http://www.ieeesmc.org/technicalcommittess/tc_shc.html)  
[http://go.epfl.ch/shared\\_control\\_tc](http://go.epfl.ch/shared_control_tc)