

<http://www.smc2013.org/>
Special Session Call for Papers
SMC 2013 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 third 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, teleoperation of robots, etc.). Following on from last year's successful session, 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 2013. The workshop will follow up on the productive workshop that we organised at SMC 2012, where we defined some community principles for the design and evaluation of Shared Control systems. More info at: <http://cnbisrv02.epfl.ch/~tcarlson/smc2013wsc/>

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 15, 2013: Deadline for submission of full-length papers to special sessions.

June 30, 2013: Acceptance/Rejection Notification.

July 31, 2013: Final camera-ready papers due in electronic form.

Submission

Manuscripts for a Special Session should NOT be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2013 main conference online submission system on SMC 2013 conference website.

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 2013 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Organised by IEEE Technical Committee on Shared Control

Website: http://go.epfl.ch/shared_control_tc