



PERGAMON

Control Engineering Practice 10 (2002) 1

CONTROL ENGINEERING
PRACTICE

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Call for papers

Special Issue on Control Methods for Telecommunication Networks

The huge growth of telecommunications entails the development of advanced networks such as Internet/ATM-based Core Networks, high speed Local and Personal Area Networks, third and fourth generation Wireless Networks, Broadband Satellite Networks. This expansion has led to telecommunications interacting with disciplines such as control, automation, operative research which were outside the traditional telecommunications background. For instance, networking topics like network planning, resource management, Quality of Service (QoS) handling, scheduling, congestion and flow control, connection admission control, intelligent routing, multicast, fast switching, Medium Access Control (MAC) can be properly addressed with methodologies such as optimization, estimation, adaptation, fuzzy control, games control, robust stability, distributed control, hybrid control (IEEE Control Systems, Special Section on Networks and Control, Volume 21 (1), February 2001). This call for papers aims to collect application oriented papers that deal with advanced networking problems such as the ones mentioned above, caused by using control based approaches.

The purpose of this Special Issue is to recognize the most recent advances in this topic and to encourage further work in this direction. As CEP is an applications journal, papers with strong industrial relevance are encouraged.

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Important Dates

April 30, 2002: Deadline for Paper Submission. September 15, 2002: Completion of First Review. November 30, 2002: Completion of Final Review. March 2003: Publication.