

Call for papers

New Results on Adaptive Systems

A special issue of

International Journal of Adaptive Control and Signal Processing

International Journal of Adaptive Control and Signal Processing invites authors to submit original articles on new results on adaptive systems including wide topic of modern problems of adaptive control and its application.

Adaptive control in control theory was its peak in 1970-1990 [1, 2, 3] and is still of interest in our time. Unfortunately, many theoretical approaches were not implemented in practice. Therefore, the interest to the classical theory of adaptive systems has significantly diminished. However, the development of new calculation technologies and computing platforms in our time allows us to return to the development of theoretical basis for adaptive systems. Moreover, some high cited fuzzy theoretical methods like machine learning need fundamental clarification and comparison with modern adaptive control methodology.

This special issue aims to provide state-of-the-art developments of new approaches in adaptive control, with many different topics of adaptive systems and as well as their applications to various real-world problems. However, other contributions that also aim to new results on adaptive systems are also warmly welcome. Interested topics include but are not limited to:

- parameter estimators
- adaptive controllers
- adaptive observers
- nonlinear parameterizations
- multiagent systems
- distributed estimation
- adaptive control application
- machine learning and adaptive control.

Submission information:

Authors are requested to submit their manuscript in the technical scope of this special issue, by 31 December, 2020, at the journal submission website:

<https://mc.manuscriptcentral.com/acsp-wiley>

When submitting, please select the manuscript type “Special Issue Article” and go on to select the special issue “New Results on Adaptive Systems”, to proceed with the submission, following the instructions provided on the website.

Submissions will be handled based on a first-come first-review policy.

Time Table:

Deadline for first submissions: 31 December 2020

Decision of first submissions: 31 March 2021

Deadline for second submissions: 30 June 2021

Final decision notification: 30 September 2021

Expected publication: Late 2021

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References:

1. B. Egardt, Stability of Adaptive Controllers. New York: Springer-Verlag, 1979.
2. I. D. Landau, Adaptive Control: The Model Reference Approach. New York: Marcel Dekker, 1979.
3. K. J. Astrom and B. Wittenmark, Adaptive Control. Reading, MA: Addison-Wesley, 1995.