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Special issue: New directions in control & automation

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SPECIAL ISSUE:

New Directions in Control & Automation

The Editorial Board of *Kybernetika* has offered the possibility of publishing selected papers presented at the 2nd IEEE Mediterranean Symposium on: "New Directions in Control & Automation," which was held in Chania, Crete during June 19–22, 1994.

The technical co-sponsors of the Symposium were the IEEE Control Systems Society and the IEEE Robotics & Automation Society. The financial sponsors were the Greek Chapter of the IEEE Control Systems Society, the Technical University of Crete, the General Secretariat for Research and Development, the University of Patras, and the University of Southwestern Louisiana.

The aim of the Symposium was to bring together researchers from the areas of linear, nonlinear, stochastic and discrete event systems; optimal, robust and fuzzy control; robotics; neural networks as well as control applications. This special issue has been based on the papers presented during the Symposium and which are in the area of Linear Systems. Out of the 32 papers in this area 12 were selected for publication. One paper has been added which was presented at the 1st Symposium of this series, held also in Chania, in 1993.

The papers included in this special issue cover topics of the linear systems theory such as reachability, observability and stability for time-invariant, periodic or delay systems as well as topics of control system analysis and design such as robust stabilization, pole placement, model matching, disturbance rejection and H_∞ optimization. These papers are published in the hope that they will provide a useful documentary of recent development in the field of system theory and control.

Vladimír Kučera
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