

# Control and Cybernetics

VOL. 20 (1991) No. 4

CONTENTS

SPIS TREŚCI

СОДЕРЖАНИЕ

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Editorial	5
<b>Twentieth Anniversary Part</b>	
The Moving Frontier Questionnaire	
From the Editor	7
K. KUNISCH	9
WŁ. PELCZEWSKI	11
R. GESSING	13
K. MALINOWSKI	17
M. LUCERTINI	21
J. WĘGLARZ	23
H. NURMI	25
G. GAMBARELLI	27
J.W. OWSIŃSKI	29
The past twenty years	
Tables of Contents 1972–1991	31
Author Index	61
Subject Index	67
<b>Papers</b>	
Enrique L. SERNIK, Steven I. MARCUS	79
Optimality of the NVI adaptive policy for a partially observed Markov decision model	
Optymalność adaptacyjnych polityk z niestacjonarnymi iteracyjnymi wartościami dla częściowo obserwowanych decyzyjnych modeli Markowa	

Оптимальность адаптивной политики с нестационарными итерациями значений для частично наблюдаемых марковских моделей принятия решений

V.V. OSTAPENKO, A.P. JAKOVLEVA

99

Mathematical questions of modelling and control in water distribution problems

Matematyczne problemy w modelowaniu i sterowaniu zagadnień rozdziału wody

Математические вопросы моделирования и управления в задачах распределения воды

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## Editorial

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This journal is edited by the Systems Research Institute of the Polish Academy of Sciences. Its main objective is to stimulate the development of cybernetical and systems sciences through publication of papers by authors from the Institute as well as from Poland and abroad.

The field of interest covers general concepts, theories methods and techniques associated with control and management in various systems (e.g. technological economical, ecological, social).

The journal is particularly interested in results in the following areas of research:

### Systems and control theory

- General systems theory
- Optimal control
- Optimization Theory
- Optimization Algorithms
- Decomposition and coordination methods
- Structural optimization
- Data analysis and learning
- Modelling and identification
- Game theory and polioptimization
- Decision and negotiation systems
- Stochastic and fuzzy systems

### Systems control and management

- Systems analysis of national and regional development
- Modelling and control of complex systems

(e.g. energy, water, industry, agriculture)

- Computer aided management, control and optimal design
- Methodological aspects of applications of control and systems methods

We hope that CONTROL AND CYBERNETICS will contribute to the development of systems and control sciences and will stimulate and encourage applications of systems approach in different areas.

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We are presently still in the transitory period. During this period we would like to get in touch with our Friends – AUTHORS, READERS and SUBSCRIBERS.

In particular, it is possible that we shall be changing the conditions of subscription. Thus, future and continuing subscribers, and all those wishing to enter our FRIENDS DATA BASE, please write to

*Dr. Zbigniew Nahorski  
Systems Research Institute  
Polish Academy of Sciences  
Newelska 6  
01-447 Warszawa, Poland*

indicating whether you are a Reader, a (past or potential) Author – indicating your domain of work, or a Subscriber (this, in particular, applies to Librarians).

**The Editorial Committee**

# Call for Papers

## 1993 European Control Conference (ECC '93)

June 28 – July 1, 1993, Groningen, the Netherlands

The European Control Conference is an event that is organized every two years, with the aim to stimulate contacts between scientists active in the area of Systems and Control. The first conference took place in Grenoble in 1991 and the second one will take place in Groningen in 1993. The primary aim of the conference is to promote scientific exchanges within the European Community and between countries of the European Community and other parts of the world. The scope of the conference includes all aspects of Systems and Control, and ranges from subjects within the framework of fundamental research to applications in process control and advanced technology.

**Keynote speaker:** A.G.J. MacFarlane (Heriot-Watt Un.)

**Main speakers:** A.C.P.M. Backx (IPCOS B.V.), R.W. Brockett (Harvard Un.), M. Gevers (Un. of Louvain la Neuve), M. Morari (Caltech), H. Neunzert (Un. of Kaiserslautern), A.J. van der Schaft (Un. of Twente), S. Williams (Cambridge Control Inc. – to be confirmed), Y. Yamamoto (Kyoto Un.).

- Minicourses:**
- Industrial applications of robust and  $H_\infty$  control  
(I. Postlethwaite, Un. of Leicester, and S. Skogestad, Un. of Thondheim)
  - Neural networks in control  
(E.D. Sontag, Rutgers Un.)
  - An algebraic approach to linear and nonlinear control  
(M. Fliess, E.S.E./C.N.R.S., and S.T. Glad, Linköping Un.)

Prospective authors should submit four copies of their full paper by **October 1, 1992**. The length of the paper should be about eight typed pages. The cover page of the paper should contain: title, author's name, affiliation and address, fax number, email address, telephone number, an abstract and five keywords. In the case of joint authorship, the first name mentioned will be used for all correspondence, unless otherwise requested.

Proposals for **invited sessions** should also be submitted by **October 1, 1992**. An invited session should comprise 4 or 5 lectures of 30 minutes each. The proposal should contain the title of each lecture as well as the name, affiliation, address, fax number, email address and telephone number of each proposed speaker. In addition, a four page extended abstract of each lecture is required.

Papers, proposals for invited sessions, and requests for information should be sent to: ECC '93 Secretariat c/o J.W. Nieuwenhuis, Faculty of Economics, P.O. Box 800, 9700 AV Groningen, the Netherlands, telefax 31 50 63 39 76, email c.praagman@eco.rug.nl or h.l.trentelman@math.rug.nl

<b>Dates:</b>	October 1 1992	Deadline for submission of papers and proposals of special sessions
	February 1 1993	Notification of acceptance of contributed papers and special sessions
	March 1 1993	Final proceedings version of paper due
	June 28 — July 1 1993	Conference

The ECC '93 is organized under the auspices of the European Community Control Association (ECCA, President: I.D. Landau).

Groningen Organizing committee: J.C. Willems (chair), R.F. Curtain (co-chair),  
J.W. Nieuwenhuis (paper evaluation), C. Praagman (local arrangements),  
H.L. Trentelman (publications).