

# **ADVANCES IN EXTERNAL CONTROL OF HUMAN EXTREMITIES**

**Proceedings of the Third International Symposium  
on External Control of Human Extremities  
Dubrovnik, August 25—30, 1969.**

Edited by  
**Momčilo M. Gavrilović**  
and  
**A. Bennett Wilson, Jr.**

**YUGOSLAV COMMITTEE FOR ELECTRONICS AND AUTOMATION  
BELGRADE, 1970**

**Symposium Organizing Committee:**

*R. Tomović*, Professor of the University of Beograd,

*L. Vodovnik*, Professor of the University of Ljubljana,

*M. Gavrilović*, Senior Research Associate, Mihailo Pupin Institute,  
Volgina 15, Beograd,

*M. Marić*, Senior Research Associate, Mihailo Pupin Institute, Volgina  
15, Beograd.

**Acknowledgement**

The Organizing Committee expresses its gratitude to:

Authors and participants who contributed to the success of the  
Symposium.

Yugoslav Federal Council for Scientific Research for sponsoring the  
Symposium.

Social and Rehabilitation Service of the U. S. Department of Health,  
Education and Welfare, Washington, D. C. for the participation in supporting  
the Proceedings publication.

Available from

**YUGOSLAV COMMITTEE FOR ELECTRONICS AND AUTOMATION**

Beograd, Kneza Miloša 9, P.O. Box 356

---

Printed by: "SLOBODAN JOVIC", Beograd, Stojana Protića 52

## FOREWORD

*This short foreword is intended to explain the change in the titles of the proceedings. The title "Advances in External Control of Human Extremities" should stress the continuity of this publication.*

*After the third meeting on External Control of Human Extremities it has become evident that a new expanding research field of interdisciplinary nature has emerged. Although the work of the Symposium is being focused on a limited topic in medical engineering the importance of this research for rehabilitation is great. There is no doubt that with better understanding of the man-machine control problem in this particular field essential improvements in the design of prosthetic and orthotic devices will occur.*

*Thus, the new title of the book reflects the need for the continuation of this activity in the future. We hope to meet many of the participants of the previous symposia together with other newcomers to the field during the next meetings in Yugoslavia.*

*Prof. Rajko Tomović*