Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis 11 (2004) 149-180 Copyright ©2004 Watam Press

AN OVERVIEW OF THE COLLECTED WORKS OF PROFESSOR DRAGOSLAV ŠILJAK

Z. Gajić¹ and M. Ikeda²

¹Department of Electrical Engineering Rutgers University Piscataway, NJ 08854-8058 gajic@winlab.rutgers.edu

²Department of Computer-Controlled Mechanical Systems Osaka University Suita, Osaka 565-0871, Japan ikeda@mech.eng.osaka-u.ac.jp

Preface

- 1. Parameter Space Design of Control Systems
- 2. Positivity of Uncertain Polynomials
- 3. Large-Scale Systems: Connective Stability
- 4. Competitive-Cooperative Systems
- 5. Parametric Stability
- 6. Decentralized Control of Complex Systems
- 7. Graph Theoretic Algorithms
- 8. Decentralized Control via Convex Optimization
- 9. The Inclusion Principle
- 10. Reliable Control

Books

Journal papers

Preface

Dragoslav D. Šiljak was born in Belgrade, Serbia, on September 10, 1933. He started elementary school in the Fall of 1940 and enjoyed a few months of school, when, suddenly, one morning in the Spring of 1941 a barrage of bombs engulfed the apartment house where his family resided; the Second World War arrived in Serbia, and especially Belgrade, with fury and destruction. For the next four years, his life and the life of his family would hang in the balance. Hunger, extreme cold in Winter without heat, and persistent bombing of Belgrade, made fear for life always present. To survive, the family