

## PREFACE

This volume consists of the papers qualified for presentation at the International Seminar on Modeling and Control of Cancer Cell Population which was an accompanying event to the Workshop: *Design Methodologies in Microelectronics and Signal Processing*. The aims of the seminar were twofold: to bring together people working in the area and to enable other specialists of signal processing to enter the discussion on the relevant subjects. We hope that a progress in the war against cancer highly depends on the common effort of scientists from biomedical, biomathematical and signal processing lobbies. Eleven papers chosen for presentations cover a broad spectrum of problems including deterministic and stochastic modeling of cell populations, mathematical analysis and control of tumor growth models, as well as optimization problems for the cancer population models and chemotherapy.

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