

Preface

With enormous pleasure, we bring you this book of Control Theory to honor Prof. Dr. Alexander S. Poznyak. Since Dr. Poznyak turned seventy this year, it is a good occasion to celebrate his accomplishments in control theory. We requested chapters from researches around the world. Dr. Poznyak is a relevant researcher and it is fitting that we are able to bring out this book to honor him.

Dr. Poznyak interest in control theory stated from the beginning in his carrier and he realized important and significant contributions. Dr. Poznyak was graduated from Moscow Physical Technical Institute (MPhTI) in 1970. He earned Ph.D. and Doctor Degrees from the Institute of Control Sciences of Russian Academy of Sciences in 1978 and 1989, respectively. From 1973 to 1993, he served this institute as researcher and leading researcher, and in 1993 he accepted a post of full Professor (actually 3-F) at CINVESTAV of IPN in Mexico. He is Regular Member of Mexican Academy of Sciences and System of National Investigators (SNI-Investigador Nacional Emerito from 2014). During 8 years, he was the Head of the Automatic Control Department. He is the Director of 42 Ph.D. thesis (37 in Mexico). It is impossible to summarize in this short foreword all of his accomplishments. He has published 10 books, more than 220 papers in scientific journals and numerous papers for national and international conference proceedings. He has delivered several invited speeches at various universities across the world as well as at many national and international conferences. He also serves as an Associate Editor of diverse scientific journals, member of various national and international scientific committees. He has also served as General Chairman program and Chairman program of numerous scientific international conferences. Dr. Poznyak was contemporary to very important people in the control arena, some of them were among founders of control theory, the others made contributions in its chapters: Ya. Z. Tzypkin, V.A. Yakubovich, V.G. Boltyanski, M.A. Krasnoselskii, V.I. Utkin, R. Sh. Liptser, K. Furuta, V.G. Sragovich, V.L. Kharitonov, G.A. Leonov, A.L. Fradkov, B.T. Polyak, V. Razvan, K. Najim, V.B. Kolmanovski, Yu.B. Shtessel, H. Sira-Ramirez, S.K. Spurgeon, Yu. V. Orlov, A. Levant, A. Polyakov, L.M. Fridman and many others.

Dr. Poznyak personal qualities of commitment, integrity, leadership and initiative leave lasting impression on his colleagues, students and friends, including those who are honouring him with the following chapters. Much of the research presented for the contributors in this book draw extensively too in their colleagueship and friendship over the years with Dr. Poznyak, for which they remain deeply grateful. It is in this spirit that we offer this book in honour of Prof. Dr. Alexander on his seventieth birthday.

We wish Dr. Poznyak the best of health, wealth, happiness, prosperity and success in all his endeavours, and we count on his contributions to control theory for many years to come.

Mexico city, Mexico
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Dr. Julio B. Clempner
Dr. Wen Yu

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