

Department of Systems Engineering and Engineering Management

Seminar Series

KOLMOGOROV STORIES

Academician Professor Asaf HAJIYEV

The Institute of Cybernetics of ANAS
Baku, Azerbaijan

Date	26 September 2016 (Monday)
Time	10:30am - 11:30am
Venue	B6605, 6/F, AC1

Abstract

The famous Soviet mathematician A.A. Kolmogorov who axiomatized probability and made it a mathematical discipline is the academic grandfather of the speaker who spent more than 15 years in the Laboratory of Statistical Methods at Lomonosov Moscow State University founded and led by Kolmogorov. In this nontechnical presentation the speaker will present some interesting, fascinating, and unusual stories experienced by him and others who encountered Kolmogorov, considered to be one of the most influential mathematicians of the past century.

About the Speaker

Asaf Hajiyev is a graduate of Lomonosov Moscow State University (MSU), where he spent more than 15 years from being a student to becoming a professor. In 1980 for contributions to Queuing Theory Hajiye

v was awarded Lenin Komsomol Prize in Science and Engineering. For queues with recurrent service. Hajiye

v created a control theory, wherein some paradoxes of theory of probability are encountered (K.Szekely, Paradoxes of theory of probability and mathematical statistics. Academia, Budapest, 1980). He constructed a new type of regression models with increasing numbers of unknown parameters, where

variances of observation errors unknown and different. Such models are typical for application but their investigation is challenging. He proposed a new method for constructing a confidence bands for unknown functions in regression models and showed that confident region, constructed by this approach for unknown functions in regression model preferable (more narrow) than confident region constructed by using classical method. A.Hajiyev also created the method for constructing an optimal placement of the letters for different alphabets on a computer keyboard. This approach has been used for an optimal placement of the letters of Azerbaijani alphabet on a computer keyboard and has been adopted as a State Standard Placement by Azerbaijan State Agency on Standardization, Metrology and Patents and is used today in the Windows 8.1 and later versions version. He is co-author of Probability and Statistics Encyclopaedia in Azerbaijani language (1300p.) with translation of all terminologies and conceptions to English and Russian languages, which is used now by scholars in the different fields. A.Hajiyev was visiting professor for various universities (USA - Berkeley, G.Washington, USC; SWEDEN – Chalmers University, Royal Institute of Technology; GERMANY – Hmboldt university, Munich University; China and others). A.Hajiyev is academician of the Azerbaijan National Academy of Sciences, member of TWAS, Foreign member of Mongolian National Academy of Sciences, Honorary member of Academy of Sciences of Moldova, Honorary professor of Chengdu University (China). For 20 years (1995-2015) A.Hajiyev was member of Azerbaijan Parliament, where as a member of the Committee of Science and Education he has brought contribution for development of science and education in independent Azerbaijan. Twice, in 2006-2008 and 2011-2013 he was elected vice-president of Parliamentary Assembly of the Black Sea Economic Cooperation (PABSEC) and since 2015 is Secretary General of PABSEC for the term 5 years with headquarter in Istanbul.

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All are Welcome!