



THE BEST MACEDONIAN SCIENTIST: LJUPCO KOCAREV



Made by: Marija Neshevskа

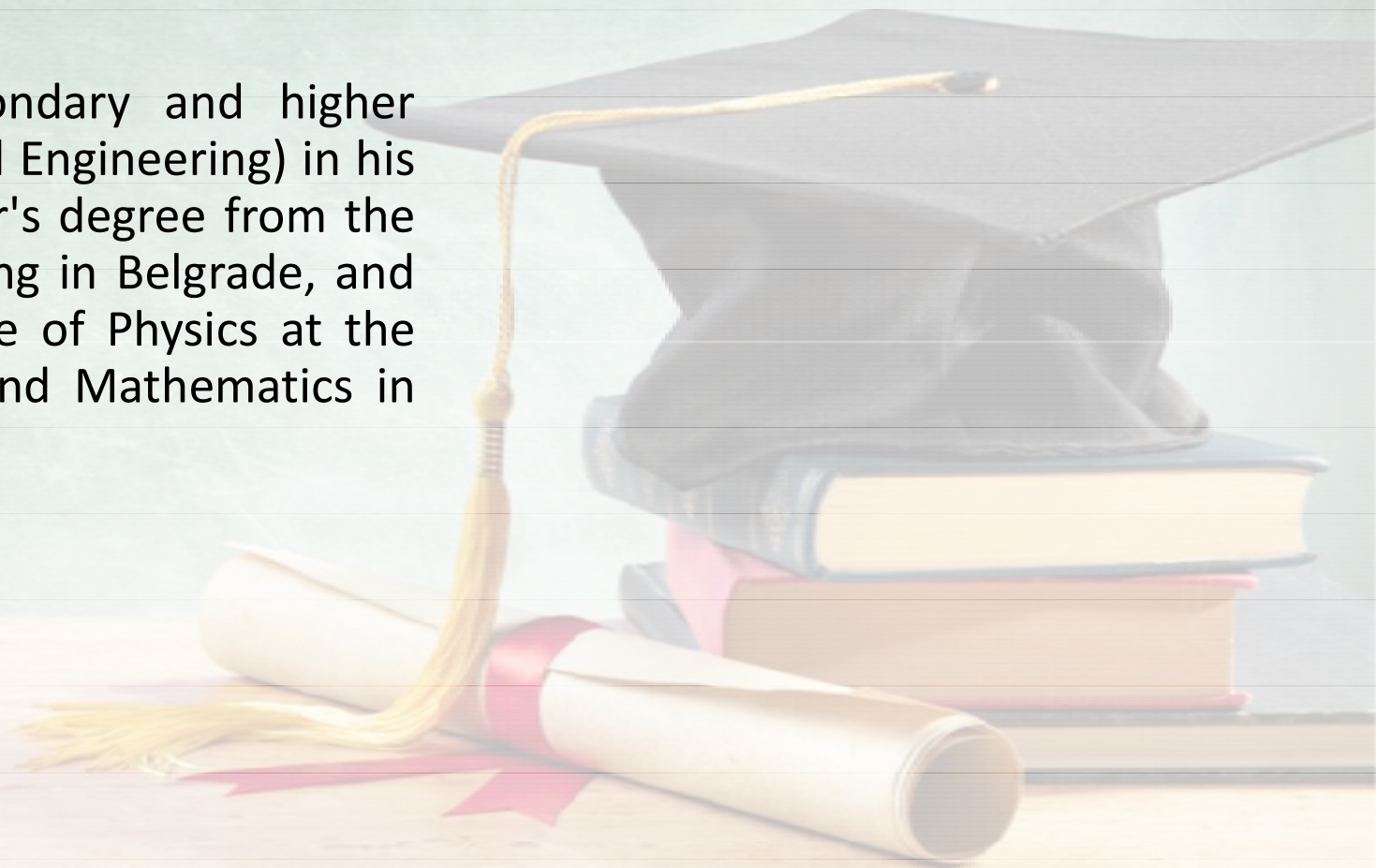


BASIC INFORMATION

- Ljupco Kocarev (born February 25, 1955 in Skopje) is a Macedonian scientist and professor in the field of physical, technical sciences and computer sciences. Member of MANU. At the MANU election assembly held on November 25, 2019, Kocarev was elected president, whose elected term began on January 1, 2020, replacing Taki Fiti.

EDUCATION

- He completed primary, secondary and higher education (Faculty of Electrical Engineering) in his hometown. He holds a master's degree from the Faculty of Electrical Engineering in Belgrade, and a doctorate from the Institute of Physics at the Faculty of Natural Sciences and Mathematics in Skopje.



WORKING TIME

- In the periods from 1985 to 1999 and from 2007 to 2011 he was employed at the Faculty of Electrical Engineering and the Faculty of Information Sciences and Computer Engineering at the University "Cyril and Methodius" in Skopje. Since the establishment of the Faculty of Information Sciences and Computer Engineering (FINKI) in 2011 until today he is employed there. From 1999 to 2016 he was employed at the University of California, San Diego, USA. He has studied in the United States, Germany, Italy, Hungary, Spain and Japan. In 2006 he was elected a Fellow of the IEEE (Member of the American Society of Electrical Engineers). He was elected a member of the Macedonian Academy of Sciences and Arts outside the staff on May 27, 2003, and a full member on May 1, 2007.

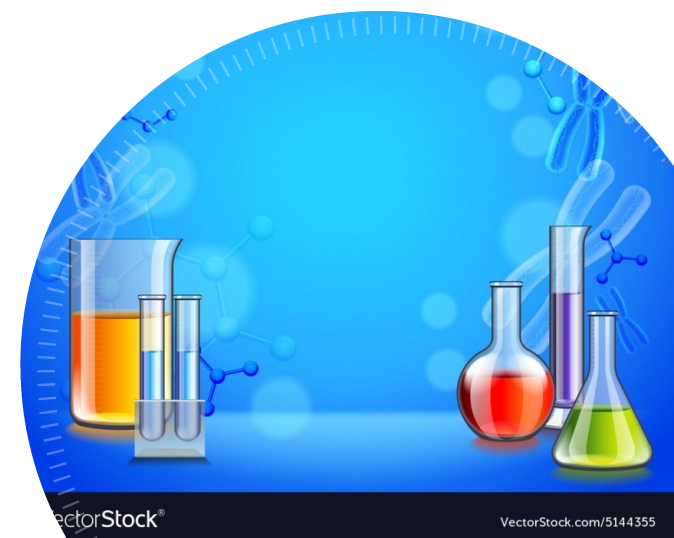


Scientific activity

Ljupco Kocarev's scientific interest is broad, covering several areas of physics, technical sciences, and computer science: nonlinear physics, complex systems and networks, electrical circuits and systems, information theory and cryptography, machine learning, data processing, and data. In the period from 1986 until today, Academician Ljupcho Kocarev has published more than 140 publications in journals with an impact factor, more than 10 publications in (international and domestic) journals without an impact factor, and more than 150 publications in collections of peer-reviewed papers from (international and domestic) conferences.



- He has been the editor of 6 books and the author of 6 patents (approved in the US and / or Europe). His publications have been cited according to the Web of Science (Science Citation Index) 6384 (6133 without self-citation) times while according to Google Scholar they have been cited 11,248 times (data from 25-10-2015). According to the statistics kept by the publisher Elsevier, the articles published in Elsevier have been viewed / accessed through the publisher's portal 18,946 times (data up to September 2015). According to the statistics kept by the publisher Springer, the total number of downloaded texts from the books edited by Acad. Kocarev is 36,500 (data as of 2014).





- Academician Kocarev has collaborated with researchers from many countries including the United States, Russia, China, Japan, Germany, Italy, Spain, Poland, Hungary, the United Kingdom, Australia, Denmark, the Netherlands, France, Canada, Mexico and many others. Ljupcho Kocarev has been the head of several EU-funded research projects (TEMPUS, FP6, FP7 and Horizon 2020), USA (NSF, ONR, NIH), Germany (DFG), NATO, ST Microelectronics and the University of California, San Diego and Ministry of Education and Science of the Republic of Macedonia.

- In 2019, Kocarev received the "October 11" award for lifetime achievement in the field of science.



