Dr. Mohammad Reza Feylizadeh学术报告

**演讲人：**Dr. Mohammad Reza Feylizadeh

**演讲题目title：** Data Envelopment Analysis (DEA)

**时间：**2017年4月27日（星期4）下午16：00

**地点：南航将军路校区 经济与管理学院楼704**

**附：** Resume of Dr. Mohammad Reza Feylizadeh

**Mohammad Reza Feylizadeh** received his B.S. degree in Industrial Engineering (Planning and Analysis of Systems) and M.S. degree in Industrial Engineering from Islamic Azad University (IAU), Iran in 1996 and 2000 respectively. In 2009, he received the Ph.D. degree in Industrial Engineering from Tehran Science and Research Branch, IAU, Tehran, Iran. He is currently a faculty member of Department of Industrial Engineering, IAU, Shiraz, Iran (2004~) and an Assistant Professor in Department of Industrial Engineering, IAU, Shiraz, Iran (2009~). The academic aspects are Fuzzy Sets and Systems and its Applications, Z-Number (was introduced for the first time in 2011 by *Zadeh*), Fuzzy Multiple attribute and Fuzzy Multiple Objective Decision Making (2007~), Fuzzy Data Envelopment Analysis (DEA) (2012~). Also, he was dean of Department of Industrial Engineering, IAU, Shiraz, Iran (from 2010 for 3 years). His research interests are Fuzzy Sets and Systems and Its Applications, Fuzzy Multiple attribute and Multiple Objective Decision Making, Data Envelopment Analysis (DEA). He has completed 5 research projects by the Grants of IAU Shiraz, Iran, published more than 17 international journal papers with some international researchers, 15 international conference papers, 14 national conference papers and has supervised many M.Sc. projects along his direction of research. Also, he had a speech in [*Guangdong University of Finance and Economics*](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwjpzObor8jSAhWBFSwKHcJ3CIIQFggZMAA&url=http%3A%2F%2Fenglish.gdufe.edu.cn%2F&usg=AFQjCNEuHQbk8Ah5hpmqY2p13xG-QMbt9Q&sig2=9Xn6riRfC9dgP3aBUF3kwA&bvm=bv.149093890,d.bGg) about *DEA* in Feb, 2017.

Abstract:

 The speech aims to have an introduction to “*Data envelopment analysis*” (*DEA*). DEA is a linear programming based technique for measuring the relative performance of organizational units where the presence of multiple inputs and outputs makes comparisons difficult. The approach of DEA was introduced for the first time by *Charnes*, *Cooper* & *Rhodes* in 1978. This speech introduces the technique and uses an example to show how relative efficiencies can be determined and targets for inefficient units set. The speech also considers a number of practical issues of concern in applying the technique. There is an increasing concern with measuring and comparing the efficiency of organizational units such as local authority departments, schools, hospitals, shops, bank branches and similar instances where there is a relatively homogeneous set of units. The usual measure of efficiency, i.e.:

 $Efficiency=\frac{Output}{Input}$ is often inadequate due to the existence of multiple inputs and outputs related to different resources, activities and environmental factors. DEA is an approach to relative efficiency measurement where there are multiple incommensurate inputs and outputs. If a suitable set of measures can be defined, DEA provides an efficiency measure not relying on the application of a common weighting of the inputs and outputs. Additionally, the method identifies peer units and targets for inefficient units.