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# Public Lecture: Recent Trends in Operations Research and Practical Business Application

July 9, 2014 @ 6:00 pm - July 10, 2014 @ 8:00 pm +04





**OF ARMENIA**  
 A GLOBAL EDUCATION IN ARMENIA

**Student Workshop**



## Recent Trends in Operations Research and Practical Business Application

by Alberto Santini

**Wednesday, July 9, 2014**  
**6 PM**

308E Tiered Classroom,  
Paramaz Avedisian Building

**Thursday, July 10, 2014**  
**6 PM**

308E Tiered Classroom,  
Paramaz Avedisian Building

Open to the public

*This event is organized by the  
AUA College of Science &  
Engineering.*

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## Description

Operational research has been termed the “science of better” and is, in fact, an approach to problem-solving with the ultimate aim of helping in making better decisions.

In order to do so, it uses advanced analytical methods and blends together tools from math, statistics and engineering. It finds application in virtually any quantitative field: from logistics to production planning, from finance to management, to accounting and even to sports.

We will make a quick tour in the history of OR to see how it was born and what problems it helped solving at the time of its early development. We will also discuss the reasons that make it such an important tool in today’s business landscape and we’ll examine some success stories showing the advantages that using OR techniques have brought to the most various industries. Finally, we’ll examine in more detail typical problems that modern OR scientists deal with and the techniques they use to solve them.

## About the Speaker

BSc. in Mathematics, University of Catania (Italy); MSc. in Mathematics, University of Copenhagen (Denmark); Cand. PhD in Operational Research, University of Bologna, Italy Alberto completed his Master of Science in Mathematics at the University of Copenhagen, writing his thesis in collaboration with Mærsk, the largest container shipping company in the world. After collecting some work experience in international settings, working for WISON in China and for Procter&Gamble (a “Fortune 100” company) in Belgium, he decided to pursue his PhD in Operational Research at the University of Bologna. His main research areas concern train timetabling problems, vehicle routing problems, loading and packing problems and data envelopment analysis.

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## Details

Start:  
July 9, 2014 @ 6:00 pm  
+04

End:  
July 10, 2014 @ 8:00

## Venue

308E, Paramaz  
Avedisian Building,  
AUA

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« Police Academy Certification Ceremony

Public Lecture: Recent Trends in Operations Research and Practical Business Application »

ABOUT AUA

The American University of Armenia (AUA) is a private, independent university located in Yerevan, Armenia. Founded in 1991, AUA is affiliated with the University of California. Through teaching, research, and public service, AUA serves Armenia and the region by supplying high-quality, graduate and undergraduate education, encouraging civic engagement, and

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