



**ALES 2000 Annual
Convention
Bechtel Engineering Building
American University of Beirut
Beirut, Lebanon
July 20 - 22**

General Information

**Conference Organization
Co-Chair**

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**ENGINEERING
TECHNOLOGY IN THE NEW
MILLENNIUM**



Local Organizing Committee-Lebanon

M. Harajli, American University of Beirut
I. Kaysi, American University of Beirut
S. Khoury, American University of Beirut
B. Zaoud, Lebanese Engineering Syndicate

International Scientific Committee

N. Abboud, University of Connecticut, USA
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A. Naaman, University of Michigan, USA
W. Najjar, Chas. H. Sells, Inc., USA
F. Matta, Comm of Mass., USA
B. Morsi, University of Pittsburgh, USA
R. Mohtar, Purdue University, USA
A. Sfeir, Lebanese American University, Lebanon

Registration

Registration is required for all convention participants. You are urged to pre-register for the convention by using the [registration form](#) (PDF format, 16Kb). Deadline for pre-registration is May 1, 2000.

Registration Fees

	Before May 1	After May 1
ALES Member:	US \$300	US \$300
Speakers:	US \$300	US \$350
Delegates:	US \$350	US \$400
Students:	US \$150	US \$150

The registration fee includes Opening Reception, two buffet breakfasts, two luncheons, refreshment and coffee breaks, dinner banquet on Saturday evening, all presentations' materials and attendance at all convention sessions. Sightseeing tours will be at an additional fee. A special program will be available for the families of participants.

Language

The official language of the convention will be English. All presentations and discussion will be in English.

Keynote Lectures

A number of keynote lectures by prominent researchers and practicing engineers in various fields of engineering will be presented. These will be announced in the forthcoming convention Program.

Tentative Keynote Speakers

Dr. Elbert Marsh, Deputy Assistant Director for Engineering, National Science Foundation, (USA).

Duration and Location

The Convention will take place from Thursday July 20, to Saturday July 22, 2000. The Convention

activities will be held at the American University of Beirut, Beirut, Lebanon.

Accommodations

Arrangements have been made with three hotels to accommodate Convention participants at special rates. All hotels are located on the coastal Avenue de Paris and Rue Minet El Hosn "Corniche Manara" adjacent to the campus of the American University of Beirut and are within a short walking distance of the Convention venue. Hotel rates and fax numbers are provided on the **Instructions for Registration and Hotel Reservation** form. As July is in the peak touristic season in Lebanon, it is recommended to make hotel reservations at least three months in advance.

Air Travel and Car Rental

ALES is presently negotiating with Airlines for special discount fares for Convention participants. Car rental discounts will be also available.

Introduction

Engineering Technology was changing at an accelerated pace in the last decade of the twentieth century. The remarkable advancements in the Information Technology led to innovations and new design methods in all fields of engineering. Also, with the perpetual increase in the world population and with a more rapidly growing demand for engineers, there seems to be a pressing need for repair, rehabilitation, and renovation of existing engineering systems, as well as designing more sophisticated and complex systems to meet the demand in the twenty first century.

The Middle East and especially Lebanon are presently in an era of new construction, rehabilitation, and implementation of information technology systems. The selection of Lebanon as the location for the Convention is intended to serve as a large scale interactive workshop, as well as a means for the scientific community to contribute to the peaceful efforts to re-normalize this country after more than sixteen years of civil war.

Objective

The objective of the Convention is to provide a forum for public administrators, owners, specialists, professionals, and researchers from different parts of the world. These professionals will have the opportunity to discuss practical ideas, share experience, knowledge and vision into the future. They will identify the needs in the twenty first century and how these needs will be met by engineers and scientists collaborating across the borders, in the Middle East region and all over the world.

Sponsors

American Lebanese Engineering Society, USA
American University of Beirut (AUB), Lebanon
University of Connecticut, USA
National Science Foundation (NSF), USA (tentative)
Hariri Foundation, Lebanon (tentative)

Financial Organizers

American Lebanese Engineering Society (ALES), USA.

Call for Papers

Authors are invited to submit abstracts not exceeding 500 words in length in any of the following topics for presentation and discussion at the convention.

The full manuscript should be camera ready and should not exceed 10 pages including figures and appendices. Once the abstract is accepted, the speakers will receive a booklet on how to prepare the final paper to be published in a referred proceeding. Please send your abstract to Dr. Nelly Abboud.

Deadlines

Abstract: April 10, 2000
Full paper: April 30, 2000

Topics

Construction Delivery Systems

- * *Design-Build*
- * *Design-Bid-Build*
- * *Construction Management*

Water Supply and Wastewater Systems

- * *Latest and future technologies: trenchless technologies and applications; automated condition evaluation techniques.*
- * *Latest and future techniques in the rehabilitation, the Upgrading and the Management of Water and Wastewater Treatment Facilities.*

Geotechnical Engineering

- * *Underground Structures: tunnels; Conduits and pipes; storage tanks.*
- * *Soil Treatment and Improvement*
- * *Modern Procedures in deep foundations*

Structural Systems

Transportation Systems

HVAC Engineering

- * *Building Automation*
- * *Building Management Systems*

Telecommunications Networks

- * *Internet Protocol (IP) Networks: faster and cheaper than the phone system and carry voice, data, fax and video on the same line, plus internet access.*

Electrical Power Systems

- * *Computer Applications in the Electric Power Industry*
- * *Privatization and Deregulation of the Electric Power Industry.*