American Lebanese Engineering Society presents

“ENGINEERING TECHNOLOGY IN THE 21 CENTURY”

Eleventh Annual Technical Conference

July 20 – 22, 2001
Marriott Hotel
Providence, Rhode Island

Conference Organization Chairs

Nelly M. Abboud, Ph.D., Associate Professor,
Coordinator, Undergraduate Environmental
Engineering Program
President of ALES
The University of Connecticut
Dept. of Civil & Environmental Engineering
261 Glenbrook Rd, U-37
Storrs, CT 06269-2037
Phone: 860-486-2731 or 203-236-9861
Fax: 860-486-2298 or 203-236-9805
E-mail: abboudn@uconnvm.uconn.edu
http://www.engr.uconn.edu/~abboud/

Nabil Hourani, P.E.,
Vice President of ALES,
President of Boston chapter
Mass Highway
443 E. Foxboro St.
Sharon, MA 02067
Phone: 617-973-8832
Fax: 617-973-7554
E-mail:Nabil.M.Hourani@state.ma.us

You Are Invited
The Board of Directors and the Conference Chairs invite you to attend the 11th Annual ALES Technical conference. This event devoted to the Engineering Technology will be held at Marriott Hotel, Providence, Rhode Island, July 20-22, 2001. The Conference program consists of 15 Technical Presentations by invited speakers from all corners of the world. In addition, the conference will feature two Keynote Speakers who will address the challenges and opportunities facing the Engineering and Lebanese community.

Why You Should Attend
The ALES Convention is the conference for people serious about Engineering Technologies. The objective of the conference is to provide a forum for engineers who are 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 21st Century and how engineers and scientists will meet these needs all over the world.

Please contact conference chairs for more information and visit our webpage
http://www.foliage-sys.com/ales/
Friday July 20, 2001

8:00 – 9:00AM REGISTRATION

9:00 – 9:30AM Welcome and Opening Remarks, Dr. Nelly Abboud & Nabil Hourani

9:30 – 10:15AM Elie J. Baghdady, President- ADCOM Systems, Weston, Massachusetts
"How to Start and Build-up a High-Tech Business on a Shoestring"

10:15 – 10:30AM BREAK

10:30 – 11:15AM Dr. Peter Sebaali, University of Nevada, Reno, Nevada
"Keep America Moving on Comfortable and Safe Roads"

11:15 – 12:00PM Dr. Walid S. Najjar, PE, Chas H. Sells, Inc., Briarcliff Manor, New York
"Design Specifications For Curved Steel Bridges: A Critique"

12:00 – 1:30PM LUNCH – Keynote Speaker: Mr. Samir Doumit, President of Order for Engineers and Architectures in Beirut, Lebanon, and Mr. Joseph Feghalie, President of American Alumni Association in Lebanon.

1:30 – 2:15PM Dr. Hani H. A. Nassif, PE, Rutger State University of New Jersey, Piscataway, New Jersey
"Field Testing and Condition Monitoring of Girder Bridges"

2:15 – 3:00PM Charles Scare, PE, Sea Consultants, Inc, Cambridge, Massachusetts
"Engineering Ideas and Award Winning Projects"

3:00 – 3:15PM BREAK

3:15 – 4:00PM Georges Klimkiewicz and Dr. Alfredo Urzua, Weston Geophysical Eng., Northboro, MA and Prototype Engineering, Winchester, MA
"Seismic Hazard Retrofit Analyses"

4:00 – 4:45PM Nabil Hourani, PE, Mass Highway, Boston, Massachusetts
“Geo-Materials; Past, Present, and Future”

5:00PM ALES National Board Meeting

Saturday July 21, 2001

8:00 – 8:45AM REGISTRATION

8:45 – 9:30AM Dr. Roger Ghanem, The Johns Hopkins University, Baltimore, Maryland
"Verification and Validation in Model-Based Prediction: Large-Scale Tests, Small-Scale Tests, Computers, and expert opinion"
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>9:30 – 10:15AM</td>
<td><strong>Dr. Michel Boufadel</strong>, Temple University, Philadelphia, Pennsylvania</td>
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<td>&quot;Nutrient Transport During Bioremediation of Oil Spills on Beaches&quot;</td>
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<td>10:15 – 10:30AM</td>
<td>BREAK</td>
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<td>10:30 – 11:15AM</td>
<td><strong>Dr. Paul Boulos, PE</strong>, MW Soft, Inc., Pasadena, California</td>
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<td>&quot;The Role of IT and Systems Technologies in Powering and Transforming</td>
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<td>the Water Industry&quot;</td>
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<td>11:15 – 12:00PM</td>
<td><strong>Dr. Imad Hannoun, PE</strong>, Flow Science Incorporated, Lansdale,</td>
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<td>Pennsylvania</td>
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<td>&quot;Optimization of Hydraulic Structures through Computational Modeling&quot;</td>
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<td>12:00 – 1:30PM</td>
<td>LUNCH</td>
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<td>1:30 – 2:15PM</td>
<td><strong>Malek Al-Khatib, Chief Bridge Engineer</strong>, Gannett Fleming, Inc.,</td>
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<td>Braintree, Massachusetts</td>
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<td>&quot;Professional Engineering Registration and Licensing&quot;</td>
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<td>2:15 – 3:00PM</td>
<td><strong>Dr. Paris Hajali, P.E.</strong>, Haley &amp; Aldrich, Inc., Brea, California</td>
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<td>&quot;Environmental Business Solutions Strategies &amp; Cutting Edge Technologies&quot;</td>
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<td>3:00 – 3:15PM</td>
<td>BREAK</td>
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<td>3:15 – 4:00PM</td>
<td><strong>Dr. Marc Karam</strong>, Tuskegee University, Alabama, Alabama</td>
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<td>&quot;Engineering Challenges for the First Decade of the New Millennium&quot;</td>
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<td>4:00 – 4:45PM</td>
<td><strong>Dr. Raymond N. Laoulache</strong>, University of Massachusetts, Dartmouth,</td>
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<td>Massachusetts</td>
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<td>&quot;Motivating Learning of Engineering Fundamental using Technology and</td>
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<td>Subject Integration&quot;</td>
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<td>7:00 PM</td>
<td><strong>BANQUET / SCHOLARSHIP AWARDS</strong></td>
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<td><strong>Keynote Speaker: His Excellency Dr. Farid Abboud</strong>, Ambassador of</td>
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<td>Lebanon to the USA, Washington DC.</td>
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<td><em>Dinner-Hafleh Featuring: Singer George Maalouf &amp; Ensemble</em></td>
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**Sponsors**

ALES  
Chas H. Sells, Inc.  
Jacobs Engineering Co.  
MW Soft, Inc.  
University of Connecticut
Registration

ALES Member/Speaker: $165  
Non-Member: $200  
One-day Conference: $100  
Banquet on Saturday: $50  
Students $110

ALES Membership: $35  
Boston Chapter, add: $15  
Contribution (optional): $10

Registration after July 1: $220  
Note that all contributions made to ALES are tax deductible.

Hotel Information

Providence Marriott  
One Orms Street  
Providence, Rhode Island 02904  
Sales Phone: (401) 272-2400  
Internet Address: http://www.marriott.com

Reservations: (800) 937-7768 – Mention “American Lebanese Engineering Society”  
ALES Rates: $ 129/night (+ 13% tax) – Cut-off date: June 29, 2001

The Hotel is located in the city of Providence, just 15 minutes from T.F. Green Airport. The hotel is less than one hour from Boston and Cape Cod and convenient to RT 146 and I-195.

Family and Spouse Activities

- **Providence Place.** A new Mall, across from the Hotel, with a delightful mix of Shops, Stores, IMAX Cinema, Exhibitions, Games and Food.

- **“Summer walks, Providence by Foot”.** A series of walking tours each highlighting a unique aspect of the “Renaissance City”. After a 45-minute walk, a pontoon boat gives visitors a river tour. Tours are non-reserved; Adults $10, Children $5.

- **“25th Anniversary Celebration Concert Series”.** Open concerts at the beautiful Waterplace Park; Friday July 20, at 7:00PM featuring “Thomas Mapfumo”, musician from Zimbabwe.

- **The Rhode Island Foundation.** Public Art Gallery, open Weekdays 9-5 and Saturdays 12-4, in the renovated One Union Station.