



PRESENTS

**1 edition in Latin America of  
Sealing Technology and F/F/S Packaging Systems –  
Interaction and Effect in Packaging Integrity.  
August 30 and 31 / 2010, Hotel Galería Plaza, México City, MEXICO**



Packaging materials, seal types and processes, packaging equipment (vertical & horizontal FFS), Packaging types and applications (cereals, snacks, liquids, semi-liquids, etc.), seal quality tests (seal strength, 'hot tack', SIT – seal initiation temperature, adherence force 'bond strength', etc



**PRESENTS**

**Sealing Technology and F/F/S Packaging Systems** is lead by professionals with extensive practical experience in the plastic and packaging industries for consumer products

**BENEFITS:**

- Learn to select the optimal seal process for any case.
- Know the physics and chemistry required to achieve hermetic seals.
- Learn what types of seals are acceptable in the packaging market.
- Learn the integration of the seal equipments in a packaging line.

**WHO SHOULD PARTICIPATE:**

- R&D personal, packaging laboratory, food manufacturing, pharmaceutical, cosmetics, chemicals and household products.
- Members of the industry who need a general vision or to refresh knowledge.

**ALSO FOR:**

Professionals in the industries of material conversion and filling equipment and machinery.

The seminar will be productive for:

- Mid and high level managers, business unit managers.
- Marketing and new business development personal.
- Packaging engineers and sourcing specialists from consumer products industries
- Raw materials, packaging materials and equipment buyers and managers.
- Engineers, supervisors, technicians and procurement, packaging design, manufacturing and quality.
- Chemists, sale managers, research, development and technical service.
- Members from the academic and research community.

**SPEAKERS:**



**Eng. Said Montelongo**

Packaging professional with over 15 years of global experience in consumer products, materials, packaging research and development, technical operations, quality improvement, transference of technology and strategic relations with suppliers. During his career he has held technical and management positions in Kraft Foods LatAm, PepsiCo, Jugos del Valle, Equity Packaging, Effem and Gamesa.

His professional education includes a B.S. in Biochemical Engineering in Foods from the ITESM and a Master of Science in Materials Science & Engineering from Rutgers University (USA). Active member of the AMEE (Mexican Association of Packaging) and the IoPP (Institute of Packaging Professionals).



**Eng. Gonzalo E. Mazuera**

He holds a BS in Chemical Engineering from the Universidad del Valle (Colombia), a Master's in Polymers Science & Engineering from City University of New York (USA) and a MBA from Tulane University (USA).

He has worked in the last 20 years in the field of flexible packaging with emphasis on design and development of multilayer films and 'greener' plastics packaging. He holds patents in coextruded EVOH/OPP laminate films and has experience in technical management positions and international marketing, in companies like ExxonMobil, Dow, Kraft Foods, ConAgra Foods and EVALCA. During his career as technical consultant, he has lead barrier packaging and sustainable packaging platforms for Nestlé –Central America, Braskem –Brazil, BridgeFord Foods –USA, Solo Cup –USA, Sigma Alimentos –México and Pennant Foods –USA.

Co-founder and director of LatinPack Inc., consultants in packaging development and organizers of conferences and seminars in Latin America since 1996. Active member of IoPP and SPE –Society of Plastics Engineers.

Visit our web-page to register 'on-line': [www.LatinPack.net](http://www.LatinPack.net)



PRESENTS

## Sealing Technology and F/F/S Packaging Systems

DATES: August 30 & 31 of 2010

PLACE: Hotel Galeria Plaza (Hamburgo #195, Col. Juarez) México City, MEXICO

### AGENDA:

#### 1. POLYMERIC SEALANT MATERIALS

- What is a Seal? What is a hot (thermal) seal?
- Why seal packages? Sealing systems
- Most widely used sealable polymers: properties and uses.

#### 2. SEAL STRENGTH AND TYPES OF SEALS

- Seal Bar, band, impulse, induction
- RF Seal, ultrasound, hot air, 'cold seal'
- UV Seal, laser, 'solvent welding'
- Hermetic seal vs. 'peelable'
- ASTM quality sealing tests

#### 3. OPERATIONAL CONDITIONS FOR A SEAL

- Variables: time, Temperature and Pressure (t, T, P)
- Polymer science in a seal: crystallinity, thermal properties, fluid mechanics.
- Case Study: LDPE.

#### 4. SEAL DEFECTS AND VACUUM PACKAGING

- Delamination, 'pinholing', non-balanced seal with cracks.
- Why vacuum packaging? Why 'gas flush'?
- Seals and sterilized packaging. Seal and 'hot fill' packaging.

#### 5. FILLING EQUIPMENT AND PROCESSES

- Type of bags: pillow bag, 'flow pack', Stand up pouch, with/without zipper, 'gusseted', flat bottom.
- Vertical and Horizontal FFS equipment for Bags
- HFFS equipment for 'flow-wrap'
- HFFS equipment for 'over-wrap' and shrink-wrap
- TFFS equipment for pills, containers and trays
- 'skin packaging' and blister packaging equipment

#### SCHEDULE:

|                   |  |
|-------------------|--|
| <b>August 30:</b> | Credentials: 8:30AM - 9:00AM<br>Program: 9:00AM - 6:00PM |
| <b>August 31:</b> | Program: 8:30AM - 12:30PM                                |

### FOR INFORMATION, contact:

#### In USA

Mobile: 847-309-3731

[LatinPack@yahoo.com](mailto:LatinPack@yahoo.com), [info@LatinPack.net](mailto:info@LatinPack.net)

#### In México:

Mobile: 044-55-5456-1887

[saidma@hotmail.com](mailto:saidma@hotmail.com)

Telefax 52.55. 4168-3740, mobile: 044.55.1612-1070

[l\\_jimenezmx@yahoo.com.mx](mailto:l_jimenezmx@yahoo.com.mx)

**SPONSORSHIP OPPORTUNITY:** There is a limited space for sponsorship and corporate publicity in the exhibition area and proceedings from the event. Please, contact us for further information and details. Is your opportunity to put your products (packaging materials, additives, transformation, and conversion equipment) at front of converters and end users of flexible packaging.

**HOTEL RESERVATIONS:** The Galeria Plaza hotel has made available a limited amount of rooms with a discount rate of: USD \$80/night. To guarantee this rate, reservations must be made through LatinPack:

Date of arrival \_\_\_\_\_ Date of departure \_\_\_\_\_

**'What you need to know to ensure the package integrity of your seals and quality of your packaged goods'®**



## Sealing Technology and F/F/S Packaging Systems

August 30 and 31, 2010

Hotel Galeria Plaza (Hamburgo #195 – Col. Juarez), México City, MEXICO

The registration fee includes attendance to all sessions, a copy of the manual of the course, welcome coffee, snacks and a meal. Accommodations in the hotel are not included. **A 10% discount after the third participant from same company, a 25% discount for full time professors and students (send a copy of credential).** No refunds and No cancelations, however replacement of attendants are allowed.. No refunds to non attendance without notice.

NOTE: Please contact us for Group discounts

|   |                                 |
|---|---------------------------------|
|   | Participant Name, title, e-mail |
| 1 |                                 |
| 2 |                                 |
| 3 |                                 |

|   | Number of people | Cost   | Total |
|---|------------------|--|-------|
| Registration to <b>Sealing Technology and F/F/S Packaging Systems</b> |                  | <b>UNTIL August 13:</b> USD \$395 /person<br><b>AFTER August 13:</b> USD \$445 /person |       |

Requested by:

Name \_\_\_\_\_ Title \_\_\_\_\_  
 Company \_\_\_\_\_  
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 City \_\_\_\_\_ Zip Code \_\_\_\_\_  
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Payment Method:

**Check** in US dollars. US bank. Payable to: LatinPack

**Credit Card**

American Express  Visa  MasterCard

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**Electronic transfer or bank deposit** – in USD (PNC Bank): Contact us for info about the bank.

**Send Invoice (after pre-paying)**

**Send me information about sponsorship opporrunities**

**Send me information about specialized seminars in your company (in-plant)**

**IMPORTANT NOTE:**

**Additional Information and Registration**

- Attendance Certificates will be issued  
 - **With no exception:** all registered people will need to have paid registration fees by the beginning of the program on **August 30<sup>th</sup>**. **No Exceptions will be made.**

**In MEXICO (Lety Jimenez)**  
 Telefax: 52.55.4168-3740  
 Mobile:044.55.1612-1070  
[l\\_jimenezmx@yahoo.com.mx](mailto:l_jimenezmx@yahoo.com.mx)  
 Mobile: 044.55.5456-1857  
[saidma@hotmail.com](mailto:saidma@hotmail.com)

**LatinPack USA (Verónica Wiedmann)**  
**Phone.** 847-309-3731  
[info@latinpack.net](mailto:info@latinpack.net)  
[LatinPack@yahoo.com](mailto:LatinPack@yahoo.com)  
[www.LatinPack.net](http://www.LatinPack.net)