Hard and Soft Tissue Grafting for Optimal Implant Reconstruction

Ritz-Carlton
Grande Lakes
Orlando, Florida
October 6-8, 2016

www.PikosSymposium.com
Dear Colleague,

I want to personally invite you to attend the Pikos Institute sponsored Bone and Soft Tissue Grafting Symposium 2016. This one of a kind program will feature 12 of the world’s master clinicians as they share their respective hard and soft tissue grafting protocols for implant reconstruction in a most unique mode. Each speaker will have two hours to present their material including 20 minutes of direct Q&A from the audience. This format will allow each speaker ample time to develop his respective topic as well as provide for audience participation.

This symposium is for both entry level and advanced level clinicians who desire to advance their knowledge of clinically relevant and evidence based state-of-the-art hard and soft tissue grafting procedures. It will cover the entire spectrum of both the scientific and clinical elements of hard and soft tissue grafting from autogenous to tissue engineering based, single tooth to full arch and full mouth implant reconstruction. Pikos Symposium 2016 will include, but is not limited to, the following topics:

- Biology, scientific background, and clinical application of extraction site management with socket grafting and delayed implant placement in the esthetic zone
- Biology, scientific background, and clinical application of immediate implant placement and provisionalization in the esthetic zone
- Complications of both delayed and immediate implant placement in the esthetic zone
- Indications, principles, and step by step protocol of the Immediate Dentoalveolar Restoration (IDR) concept
- Benefits of minimally invasive surgical techniques without the need for surface incisions
- Risk assessment for prevention of peri-implant defective mucosa
- Rationale and technique of “vestibular incision subperiosteal tunnel access” (VISTA) for prevention and correction of soft tissue esthetic and functional defects around implants
- Application of autogenous tissue, allograft, xenograft, and growth factors for soft tissue augmentation
- Decision making process in choosing the lateral vs. crestal approach to sinus grafting
- Step-by-step surgical protocol for lateral vs. crestal approach to sinus grafting with long term follow up
- The role of space maintenance, flap design, and flap vascularity for successful ridge regeneration
- Autogenous bone grafting protocols for 3D alveolar ridge augmentation to increase treatment outcome and minimize morbidity
- Surgical protocol for vertical and horizontal ridge augmentation including the use of titanium mesh, titanium reinforced PTFE membranes, and particulate grafting
- Surgical protocol for vertical and horizontal ridge augmentation including the use of in-situ tissue engineering, and de novo bone formation
- Single tooth to full arch reconstruction with autogenous bone grafting and tissue engineering based bone grafting
- How in-situ tissue engineering regenerates bone and supports soft tissue healing
- The benefits of tissue engineering (use of growth factors, stem cells, and constructs) and de novo bone formation
- Complications of autogenous and tissue engineering based bone grafting

Please join us at the Ritz-Carlton Orlando for what will be a unique and total immersion learning experience on all aspects of the science and art of hard and soft tissue grafting for implant reconstruction. This will be the most comprehensive bone and soft tissue grafting symposium you will ever attend. Come and learn from these talented world-class master clinicians. You don’t want to miss this great opportunity. I look forward to seeing you in October.

Warmest regards,

Michael A. Pikos, DDS
### Program Schedule

**Pre-Con Hands-On Workshops: Wednesday - October 5, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>Dr. Pat Allen</td>
<td>Minimally Invasive Soft Tissue Grafting Surgery</td>
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<tr>
<td>1:00 pm</td>
<td>Dr. Istvan Urban</td>
<td>Vertical Ridge Augmentation</td>
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<tr>
<td>1:00 pm</td>
<td>Dr. Giovanni Zucchelli</td>
<td>Mucogingival Esthetic Surgery Workshop</td>
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**Day 1: Thursday - October 6, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am</td>
<td>Registration/Breakfast</td>
<td></td>
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<tr>
<td>7:30 am</td>
<td>Introductions</td>
<td></td>
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<tr>
<td>8:00 am</td>
<td>Dr. Mauricio Araujo</td>
<td>Management of the Alveolar Socket for Successful Ridge Preservation</td>
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<tr>
<td>10:00 am</td>
<td>Morning Break</td>
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<tr>
<td>10:30 am</td>
<td>Dr. Giuseppe Cardaropoli</td>
<td>Immediate Implant Placement and Ridge Preservation in Esthetic Area</td>
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<tr>
<td>12:30 pm</td>
<td>Lunch</td>
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<tr>
<td>1:45 pm</td>
<td>Dr. Jose Carlos Rosa</td>
<td>Immediate Dentoalveolar Restoration (IDR) - Labial Contour Grafting at the Time of Immediate Placement and Provisionalization: 10-year follow-up</td>
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<tr>
<td>3:45 pm</td>
<td>Afternoon Break</td>
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<tr>
<td>4:15 pm</td>
<td>Dr. Giovanni Zucchelli</td>
<td>Esthetic Treatment of Soft Tissue Defects Around Teeth and Implants</td>
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**Day 2: Friday - October 7, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>7:00 am</td>
<td>Breakfast</td>
<td></td>
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<tr>
<td>8:00 am</td>
<td>Dr. Michael A. Pikos</td>
<td>Alveolar Ridge Regenerative Strategies: Synergy of Hard and Soft Tissue Reconstruction</td>
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<tr>
<td>10:00 am</td>
<td>Morning Break</td>
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<tr>
<td>10:30 am</td>
<td>Dr. Tiziano Testori</td>
<td>Lateral vs. Crestal Approach in Sinus Elevation Surgery: A Revisited Clinical Vision</td>
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<tr>
<td>12:30 pm</td>
<td>Lunch</td>
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<tr>
<td>1:45 pm</td>
<td>Dr. Istvan Urban</td>
<td>Perspectives in Ridge Augmentation</td>
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<tr>
<td>3:45 pm</td>
<td>Afternoon Break</td>
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<tr>
<td>4:15 pm</td>
<td>Dr. Craig Misch</td>
<td>Is Autogenous Bone Still the Gold Standard?</td>
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**Day 3: Saturday - October 8, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Breakfast</td>
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<tr>
<td>8:00 am</td>
<td>Dr. Robert Marx</td>
<td>In-Situ Tissue Engineering for Bone Regeneration</td>
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<tr>
<td>10:00 am</td>
<td>Morning Break</td>
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<tr>
<td>10:30 am</td>
<td>Dr. Daniel Spagnoli</td>
<td>Tissue Engineering Enhanced Horizontal and Vertical Bone Regeneration</td>
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<tr>
<td>12:30 pm</td>
<td>Lunch</td>
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<tr>
<td>1:45 pm</td>
<td>Dr. Pat Allen</td>
<td>Patient Friendly Minimally Invasive Grafting (That Really Works)</td>
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<tr>
<td>3:45 pm</td>
<td>Afternoon Break</td>
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<tr>
<td>4:15 pm</td>
<td>Dr. Homa Zadeh</td>
<td>Is Keratinized Tissue Needed Around Implants?</td>
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Schedule subject to change. Final schedule will be provided at the symposium.
Management of the Alveolar Socket for Successful Ridge Preservation

Post-extraction bone resorption represents a challenge for the clinician. It may lead to esthetic problems and more complex implant installation due to dimensional alterations of the ridge. Thus, the concept of preventing bone loss following tooth extraction is very attractive. The current presentation will describe a series of studies regarding the preservation of the alveolar process dimensions following tooth extraction. It will be demonstrated that socket graft with bone substitutes can compensate for post-extraction bone loss. Clinical cases that illustrate the surgical technique and outcome of ridge preservation procedures will be presented and discussed.

Learning Objectives:
1. Understand the scientific evidence concerning the benefit of ridge preservation and augmentation following tooth extraction.
2. Describe the minimally-invasive tooth extraction procedure.
3. Describe the ridge preservation procedure.

Immediate Implant Placement and Ridge Preservation in Esthetic Area

This clinical and research based presentation will focus on the advantages and disadvantages of esthetic zone extraction site management options that include socket grafting and delayed implant placement vs. immediate implant placement and provisionalization. The indications, contraindications, and complications of each protocol will be featured in detail. The most up to date studies will be presented to validate the use of each approach.

Learning Objectives:
1. Understand the biology, scientific background, and clinical application of extraction site management with socket grafting and delayed implant placement in the esthetic zone.
2. Understand the biology, scientific background, and clinical application of immediate implant placement and provisionalization in the esthetic zone.
3. Understand the complications of both delayed and immediate implant placement in the esthetic zone.

Immediate Dentoalveolar Restoration (IDR) – Labial Contour Grafting at the Time of Immediate Placement and Provisionalization: 10-Year Follow-up

Single tooth replacement in the esthetic zone has been one of the most common indications for dental implant placement. In cases of compromised sites with bone loss/gingival recessions, the clinical scenario presents a different dilemma. The Immediate Dentoalveolar Restoration (IDR) is a technique established to broaden indications for immediate loading on individual teeth. This presentation will discuss the indications, scientific basis, and step by step protocol of the IDR protocol, which advocates minimally invasive surgery and flapless procedures as a predictable approach to compromised extraction sites in the esthetic zone. Multiple cases with long term clinical and CT scan follow up will be featured.

Learning Objectives:
1. Improve the management of compromised fresh extraction sockets in the esthetic zone.
2. Understand the indications, principles, and step by step protocol of the Immediate Dentoalveolar Restoration (IDR) concept.
3. Understand comprehensive management of the compromised esthetic zone extraction socket with predictable complete graft reconstruction.

Esthetic Treatment of Soft Tissue Defects Around Teeth and Implants

New knowledge in soft tissue surgical management allows for predictable esthetic coverage in gingival recession cases with minimally invasive connective tissue grafts. Recession of the buccal soft tissue margin is a frequent complication of well osteo-integrated dental implants. The appearance of metallic structure or even their transparency through the thin buccal soft tissues are common reasons for patient esthetic complaints. Moreover, bad implant installation frequently results in excessive apical dislocation of the buccal soft tissue margin of the implant supported crown. Soft tissue plastic surgical procedures and bilaminar techniques in particular can be successfully used in combination with a pre- and postsurgical provisional prosthetic approach to treat buccal gingival recessions, and soft tissue dehiscence around dental implants in addition to providing the new implant supported crown with an esthetic transmucosal emergence profile.

Learning Objectives:
1. Describe step by step root coverage surgical procedures.
2. Describe the difference between teeth and implant treatments.
3. Describe short and long term outcomes.

Schedule subject to change. Final schedule will be provided at the symposium.
Frida October 7, 2016

8:00 am – 10 am Dr. Michael A. Pikos

**Alveolar Ridge Regenerative Strategies:**
**Synergy of Hard and Soft Tissue Reconstruction**

This clinical and evidence based presentation will focus on the integration of the science and art of maxillary and mandibular alveolar ridge reconstruction. It is based on the presenter’s 33 years of clinical experience and will feature the key principles for predictable long term stability via case presentations of single tooth to full arch reconstruction. Hard tissue procedures that include extraction site management, ridge split, autogenous block grafting, mesh particulate grafting, GBR and sinus grafting will be presented along with the application of connective tissue grafting, free gingival grafting and the use of acellular dermis matrix.

Learning Objectives:
1. Understand the key principles of a alveolar ridge augmentation that must be followed for predictable long term stability.
2. Understand the importance of the integration of both hard and soft tissue grafting for predictable long term stability.
3. Understand how to prevent, recognize and treat complications of alveolar ridge augmentation.

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10:30 am – 12:30 pm Dr. Tiziano Testori

**Lateral vs. Crestal Approach in Sinus Elevation Surgery: A Revisited Clinical Vision**

Maxillary sinus elevation surgery has evolved during the last 25 years to a point where it is considered the most successful augmentation procedure performed today. The survival rate of implants placed in these grafts is as high or higher than that of implants placed in the non-grafted posterior maxilla. The sinus elevation procedure is still evolving due to the development of new surgical techniques and new biomimetic technologies. However, there is still no unanimous consensus on when to adopt the lateral or crestal approach. This lecture will address both evidence-based and the latest state-of-the-art techniques of each approach.

Learning Objectives:
1. Understand the decision making process in choosing the lateral vs. crestal approach to sinus grafting.
3. Appreciate the selection of grafting materials in lateral vs. crestal approach to sinus grafting.

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1:45 pm – 3:45 pm Dr. Istvan Urban

**Perspectives in Ridge Augmentation**

Vertical and horizontal augmentation presents one of the greatest challenges of bone regeneration in implant dentistry. Patient selection, patient preparation for surgery, precise surgical techniques, and postoperative management are the key factors in reducing the rate of bone graft complications. Recent research on vertical ridge augmentation as well as the use of different growth factors in conjunction with bone grafts will be presented. An exciting new treatment modality of ridge augmentation treating edentulous atrophic maxillary ridges will be introduced. Utilizing these procedures may lessen the need for autogenous bone and may generally lead to decreased morbidity. Increased patient comfort and satisfaction associated with these regenerative procedures may also be achieved.

Learning Objectives:
1. Understand Indications, patient selection, and treatment alternatives for vertical and horizontal augmentation.
2. Learn the principles of the surgical protocol for vertical and horizontal alveolar ridge augmentation.
3. Understand why scientific documentation is superior compared to anecdotal techniques.

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4:15 pm – 6:15 pm Dr. Craig Misch

**Is Autogenous Bone Still the Gold Standard?**

For historical and biologic reasons, autogenous bone has long been considered the gold standard of bone graft materials. For bone augmentation procedures in preparation for dental implants, autogenous grafts provided predictable volume gains, favorable bone quality with short healing periods. However, the need to harvest the graft with associated morbidity is an inherent disadvantage that has caused many clinicians to abandon the use of autograft. The choice of a technique for bone augmentation is dependent on a number of factors including ridge morphology, degree of atrophy, bone volume requirements, and clinician preference. This presentation will provide contemporary indications for using autogenous graft and review cases that exhibit clinical techniques for graft harvest and augmentation.

Learning Objectives:
1. Understand the advantages of using autogenous bone.
2. Identify cases that autogenous bone may be preferred.
3. Understand techniques to decrease morbidity and enhance outcomes.

Schedule subject to change. Final schedule will be provided at the symposium.

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Is Keratinized Tissue Needed Around Implants?

Traditionally, most clinicians have focused on peri-implant bone as a prerequisite for implant success. However, it is now recognized that peri-implant mucosal tissue is an important key for the functional stability and esthetics of implant restorations. A variety of risk factors can predispose to soft tissue deficiencies such as mucosal recession or defective contours. Correction of peri-implant recession defects is more challenging than around teeth. Therefore, effective risk assessment should be employed in order to avoid the occurrence of peri-implant mucosal deficiencies.

Learning Objectives:
2. Understand rationale and technique of "vestibular incision subperiosteal tunnel access" (VISTA) for prevention and correction of soft tissue esthetic and functional defects around implants.
3. Understand application of autogenous tissue, allograft, xenograft and growth factors for soft tissue augmentation.
Dr. Pat E. Allen: Minimally Invasive Soft Tissue Grafting Surgery

Soft tissue deficiencies around teeth impact esthetics and lead to escalating problems. This workshop includes lecture, video surgery, and hands-on exercises to teach minimally invasive techniques using AlloDerm for soft tissue grafting for root coverage and gingival augmentation. Requirements for success and step-by-step surgical protocols will be presented.

The following topics will be covered:
- Current minimally invasive tunneling technique for root coverage
- Microsurgical instrumentation and specialized suturing techniques
- Management of surgical complications

Dr. Istvan Urban: Vertical Ridge Augmentation

The hands-on section will provide an in-depth knowledge of the details of vertical ridge augmentation surgery. Flap design, graft, and membrane placement, effective flap mobilization, and double-layer suture will be demonstrated.

Learning objectives:
1. Understand the surgical anatomy of the floor of the mouth
2. Learn the surgical principles of ridge augmentation surgery
3. Learn the tension free closure of the flaps after vertical ridge augmentation

Dr. Giovanni Zucchelli: Mucogingival Esthetic Surgery Workshop

Treatment of gingival recession has become an important therapeutic issue due to the increasing number of cosmetic requests from patients. Patients' esthetic demands, due to the exposure, during smiling or function, of portions of the root surface, is the main indication for root coverage surgical procedures. Very often, the most coronal millimeter/s of the root exposure is the only visible part of the recession when smiling, therefore the presence and/or the persistence after therapy, even of a shallow recession may be an esthetic problem for the patient. Thus, complete root coverage, up to the cemento-enamel junction, is the goal to be achieved when patient complains about the esthetic appearance of his/her teeth. The coronally advanced flap has been used to treat single and multiple recession defects affecting adjacent teeth in patients with esthetic demands. This surgical technique has been demonstrated to achieve complete root coverage in most of the patients irrespective to the number of recessions treated in each intervention. The adjunct of small and thin connective tissue graft resulting from the disepithelization of a free gingival graft is a site-specific indication and not a surgical technique. In this workshop, participants will be able to practice the surgical techniques on pig jaws.

Pikos Symposium Pre-Con Workshops

Wednesday 1pm - 5pm, October 5, 2016 - $995.00 US - 4 CE Hours

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Pikos Institute has contracted with the Ritz-Carlton Grande Lakes in Orlando, Florida to provide a special room rate for our Pikos Symposium attendees of $209 US per night.

the-ritz-carlton.grandelakes.com

For reservations by phone, call:
800•266•9432

Mention "Pikos Institute" for special room rate. Hotel rooms have been blocked, and reservations at the special symposium rate will be accepted until the cut-off date of September 2, 2016, or until the room block is sold out, whichever comes first. Therefore, it is recommended that you reserve your room as early as possible.
“Wow! What wonderful sessions we have had all three days! An eye-opener which has helped one realize how much more there is to learn on implantology and bone grafting.”

Dr. Ramesh Raja, GP
Lloydminster, SK CANADA

“As an OMFS, I really appreciate Dr. Pikos’ inclusion of other specialties of dentistry on the speakers panel. The cross-pollination is very helpful as it elevates dentistry!”

Dr. Rick Hurst, OMS
Nacogdoches, TX

“I will put this knowledge into my practice when I return to my office Monday morning!”

Dr. Robert Cross, Perio
Jefferson Valley, NY

“This course was a tremendous educational investment in clinical modalities for GBR. Total immersion in current evidence based techniques to facilitate improving the health and function of our patients.”

Dr. Pamela Adams, Prosth
Clearwater, FL

“Pikos Seminars are always 5 star programs!”

Dr. Sam Simos, GP
Bolingbrook, IL

“Well worth the time and expense. The quality of this course really serves to rejuvenate my interest in our profession. Very enjoyable and highly recommended!”

Dr. Julianna Hukill, OMS, Grand Blanc, MI

“Phenomenal lectures A-Z!”

Dr. Lindsay Eastman, Perio
Bradenton, FL
October 6-8, 2016

Dr. Pat Allen  Dr. Robert Marx
Dr. Mauricio Araujo  Dr. Craig Misch
Dr. Giuseppe Cardaropoli  Dr. Michael A. Pikos
Dr. Jose Carlos Rosa  Dr. Daniel Spagnoli
Dr. Homa Zadeh  Dr. Tiziano Testori
Dr. Giovanni Zucchelli  Dr. Istvan Urban

Registration
Early Registration (Until May 13, 2016) $2695 US
Registration (After May 13, 2016) $2995 US – 24 CE Hours

Please register me for the Pikos Institute Symposium October 6-8, 2016 in Orlando, Florida

Optional Limited Attendance Hands-On Sessions - October 5, 2016, 1pm to 5pm - 4 CE Hours

☐ Dr. Pat E. Allen: Minimally Invasive Soft Tissue Grafting Surgery ($995 US)
☐ Dr. Istvan Urban: Vertical Ridge Augmentation ($995 US)
☐ Dr. Giovanni Zucchelli: Mucogingival Esthetic Surgery Workshop ($995 US)

My specialty is: ☐ Oral Surgeon ☐ Periodontist ☐ Prosthodontist ☐ General Practitioner ☐ Other

First Name_________________________________________ Last Name______________________________________________

Address ____________________________________________________________________________________________________________

City ______________________ State ______________ Zip _____________ Country ____________________________

Phone ____________________ Fax __________________________ E-mail ________________________________________________

☐ Check enclosed (Made Payable to Pikos Institute. Tuition due at time of registration)

☐ Please charge my ☐ VISA ☐ MasterCard

Card Number ________________________________ Security Code __________________ Exp. ____________________________

Signature ____________________________________________________________________________________________________________

Fax registration to: 727-785-8477
To register by phone: 727-781-0491
To register online: www.PikosSymposium.com
Mail registration to: Pikos Institute, 2711 Tampa Road, Palm Harbor, FL 34684

Cancellations must be made in writing by September 1, 2016 to receive a refund. After September 1, 2016 there will be a $1000 cancellation fee. A $25 administrative fee will be charged for substituting a registrant.

Travel Costs: Pikos Institute is not responsible for reimbursing prepaid (including non-refundable) customer travel costs. It is recommended that attendees who elect to incur travel costs for a training course, schedule and purchase airfare and hotel accommodations with this in mind.

www.PikosSymposium.com