

PACAM X

**Tenth Pan American Congress
of
Applied Mechanics**

Cancun

CALL FOR PAPERS

January 7 - 11, 2008

Sponsored By:

**National Science Foundation (NSF)
(NSF) - <http://nsf.gov/>**

Cancun, Mexico

Sponsored By:

**American Academy of Mechanics
(AAM) - <http://www.aamech.org/>**

Background

PACAM X is a biennial event and is the Tenth International conference in the Pan American Congress of Applied Mechanics series.

The aim of the conference sponsors is to promote progress in the broad field of mechanics by (1) exposing engineers and scientists as well as advanced graduate students to new research developments, methods, and problems in mechanics and (2) providing broad opportunities for personal interactions through means of formal presentations and informal conversations. PACAM remains the only conference sponsored by the American Academy of Mechanics (AAM).

Join us after the New Year 2008 in one of the most beautiful and exotic places in the world. Enjoy the relaxation of the sugary-white beaches and the crystal-clear turquoise waters of the Gulf of Mexico on the Grand Oasis Cancun or Oasis Cancun resorts. The hotels offer an adventure in culinary dining with 9 fabulous restaurants and 10 bars. The resorts offer an exquisite natural setting on the tranquil waters where you can enjoy the many splendors of this all-inclusive resort (including kayaking). You can also enjoy optional day-trips to neighboring islands, eco-world parks, and adventure activities (including a swimming with the dolphins experience and a dune-buggy sand ride). Experience an after-New Year adventure in this beautiful setting while engaging with colleagues from all over the world in this 10th Biennial celebration of PACAM.

Past Venues

The Pan American Congresses of Applied Mechanics (PACAM) are held every two years, always in a Latin American venue, at a time when few other conferences are scheduled. The previous Congresses were held in Rio de Janeiro, Brazil in 1989; Valparaiso, Chile in 1991; São Paulo, Brazil in 1993; Buenos Aires, Argentina in 1995; San Juan, Puerto Rico in 1997; Rio de Janeiro, Brazil in 1999, Temuco, Chile in 2002, Havana, Cuba in 2004, and Merida, Mexico in 2006. Approximately 125 people from Africa, the Americas, Asia, Australia, and Europe attended the last PACAM in Merida.

Conference Topics

Conference topics of PACAM X will include

- (1) Composite materials
- (2) Computational mechanics
- (3) Controls
- (4) Dynamics
- (5) Fluid Mechanics
- (6) Sensors and Monitoring
- (7) Solid Mechanics

Congress Chairman and Organizer

Professor T.L. Attard
California State University, Fresno, USA
tattard@csufresno.edu

Call for Papers

Papers are invited on the listed topics and in other areas within the Mechanics scope.

Please submit abstracts (.PDF) of no longer than 1-page to tattard@csufresno.edu. In the subject heading of the email, please indicate "PACAM X – Abstract"

The Abstract should clearly specify the purpose, results, and conclusions that will be presented in the Final Full-Length Paper. Please visit the conference site at http://zimmer.csufresno.edu/~tattard/pacam_x_meeting.htm

The Final Full-Length Paper should be 4-pages long and submitted electronically in .PDF format to tattard@csufresno.edu by **September 15th, 2007**. In the Subject heading of the email, please include "PACAM X – Paper"

Acceptance of the Final Paper(s) will be based on a peer-review and contingent on presenting the final paper(s) at PACAM X. Full payment of the registration fees (US\$275) must be received by October 15th, 2007; late registration fees (\$350) apply for a limited time after October 15th, 2007. Student registration fees are \$125 (\$175 late fees apply). All participants are welcome to submit up to 3 papers at the single registration cost.

Accepted papers will be published in Volume 12 of the Pan American Congress of Applied Mechanics (PACAM X). Registered and attending individuals will receive a soft bound-copy of the Proceedings (PACAM X).

PACAM X Scientific Committee

Professor Anil K. Agrawal of The City College of New York
Professor Thomas L. Attard of California State University, Fresno
Professor Stephanos E. Dritsos of University of Patras
Professor Apostolos Fafitis of Arizona State University
Professor Roger Khayat of The University of Western Ontario
Professor Petros Komodromos of University of Cyprus
Professor Jesus Larralde-Muro of California State University, Fresno
Professor Jerome P. Lynch of University of Michigan
Professor George D. Manolis of Aristotle University
Professor Marc P. Mignolet of Arizona State University
Professor Guillermo Monsivais Galindo of Univer. Nacional Autonoma de Mexico
Professor Harris Mouzakis of National Technical University of Athens
Professor Martin Ostoja-Starzewski of University of Illinois at Urbana-Champaign
Professor Manolis Papadrakakis of National Technical University of Athens
Professor Marios Phocas of University of Cyprus
Professor Mehdi (Saiid) Saiidi of University of Nevada, Reno
Professor Rubens Sampaio of Pontificia Universidade Catolica do Rio de Janeiro
Professor Charles R. Steele of Stanford University
Professor Michael D. Symans of Rensselaer Polytechnic Institute

Publications

The soft-bound Proceedings volume (Volume 12) will include all accepted papers of 4-pages in length following the required designated format. Please visit:

http://zimmer.csufresno.edu/~tattard/pacam_x_meeting.htm

The abstract will clearly specify the purpose, results, and conclusions of the final full-length paper. The final paper submittal (4 pages) must only include "PACAM X – Paper Submittal" typed in the Subject line of the email. The File Title is to only include the Author's Name followed by " - Paper" as in "Last Name, First Initial – Paper"

Presenters of selected papers will be invited to submit an extension of the work for possible publication in the *Journal of Materials of Mechanics and Structures* (www.jomms.org).

NSF Mini-Travel Grants

NSF Mini-Travel Grants for Students are now available!! The grants will be worth \$500 - \$1,000 and will be awarded in the form of reimbursement checks for expenses after attending PACAM X. Students must (co-) author and present at least one paper at PACAM X. The application forms are available at http://zimmer.csufresno.edu/~tattard/pacam_x_meeting.htm.



All-Inclusive Conference Venue



The Oasis Cancun is an All Inclusive resort on a grand scale that offers the opportunity to enjoy its expansive areas of relaxation, one of largest swimming pools in Latin America, and spectacular Caribbean gardens. With eight restaurants and nine bars, there is an assortment of flavors to enjoy – from exciting sushi to Mediterranean to traditional Mexican to American. Enjoy the most exotic drinks or a preferred beverage in the venue of your choice and take a walk along one of the most magnificent beaches in the world.

The Oasis Cancun is an ideal blend of activity and rest In the heart of the Hotel Zone. The beautiful sugary-white and pristine beach and infinite gardens pass through the balconies to adorn the rooms. Entertainment is available day and night and includes two live shows weekly (Mexican and Caribbean) and live bands and musicians nightly. Almost a half mile of beach is scattered with palapas and lounge chairs for total relaxation and sun worship. An executive, Par 3 Golf course, full service Spa, a marina offering non-motorized water sports, two tennis courts, an all-purpose field, gymnasium and various shops are just a glimpse of what the Oasis Cancun offers.

The dining experience comes from a menu of only the best products of Mexico and international locales; succulent plates of gastronomical varieties are offered in each of the nine All-Inclusive Restaurants. Services include currency Exchange, 24 hour reception, multilingual staff, on-site security.

Included Activities

While staying at the Oasis Cancun, enjoy the use of all the resort has to offer. The following are provided as part of the All Inclusive program at no additional charge:

Dine on the culinary specialties at the eight restaurant venues located throughout the property with cuisines that include Italian specialties, traditional Mexican, Mediterranean fare and a wide selection of international preparations from our immense buffets and select snack bars

Relax with the best Caribbean cocktails or the drink of choice in any of our 10 bars in a variety of atmospheres that we offer

Unlimited access to our on-site Gymnasium for daily work-outs

Unlimited access to our two hard surface tennis courts during the day (Based on availability). Lights for night play available at an additional fee.

Planned activities by our entertainment staff throughout the day

Nightly entertainment includes two live shows weekly, Mexican and Caribbean, an onsite disco (open six nights per week) and live bands and musicians nightly

The Oasis Marina offers hours of fun with non-motorized water activities including Kayaks, Paddleboats, Surfboards, etc.

Unlimited golf on our Par 3 Executive 9-hole course. The Clubhouse is available to store or rent equipment (rental clubs and balls available at additional fee)

Hotel Rates – All inclusive

(The Conference will be at the Grand Oasis Cancun)

PER PERSON PACKAGE RATES (6 nights Package):

CANCUN:	Oasis Cancun (4*)	Grand Oasis (5*)
Check-In Dates:	Jan 03 and after	Jan 03 and after
Double Occupancy	\$ 719.00	\$ 929.00
Single Occupancy	\$ 859.00	\$1039.00

Extra Night Rates per person

(Pre- or Post- Congress dates)

Double Occupancy – All-Inclusive	\$109.00	\$139.00
Single Occupancy – All-Inclusive	\$132.00	\$159.00

The Package rates above include:

1. All transfers by deluxe, air-conditioned vehicle including meeting, luggage handling, and assistance to and from the Cancun airport to either hotel
2. Hotel accommodations including all service charges and taxes. The Oasis Cancun & Grand Oasis are both All-Inclusive Resorts
3. Hospitality Desk at selected hotel
4. Services of local tour representatives in Cancun, Mexico
5. Dedicated Reservations & Information staff for participants of PACAM X.
For Information and Reservations during the congress, or pre / post congress dates, or for excursion packages, please call **1 - 800 - 411 - 2482**. The reservations form and credit-card form are available on the conference site.

The above rates do not include:

- 1) Airfare to/from Mexico. TourLite International can assist with this on an individual basis.
- 2) Tips or items of personal nature or any services not mentioned above.
- 3) Optional trip cancellation insurance is available for \$69 per person for trip cost less than \$1,000 and \$99 per person for trip cost of \$1,001 - \$2,000.