

FIRST ANNOUNCEMENT
AND CALL FOR PAPERS



**1ST INTERQUADRENNIAL ICF CONFERENCE
IN MIDDLE EAST AND AFRICA**



PROCESSING, PERFORMANCE, AND FAILURE ANALYSIS OF ENGINEERING MATERIALS

February 14-17, 2011

Luxor, Egypt

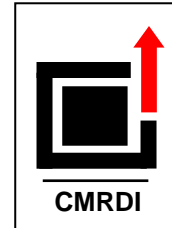
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Approved by
International Congress on Fracture « ICF »
"The World Academy of Structural Integrity"

ORGANIZED BY
EGYPTIAN SOCIETY FOR LASER INDUSTRIAL APPLICATIONS - ESLIA
INTERNATIONAL CONGRESS ON FRACTURE - ICF

COLLABORATING ORGANIZATIONS



GENERAL INFORMATION

Founded by Professor Takeo Yokobori in 1965, the International Congress on Fracture (ICF) is today the main international conference on mechanics and mechanisms of fracture, fatigue and strength of solids and applications in engineering, geophysics, and medicine. First held in Sendai, Japan in 1965 and at four-year intervals since then, ICF has provided an international forum for highlighting individual and national accomplishments in the general fields of fracture mechanics, material strength and structural integrity. The conference has been held at venues around the world: *Sendai (1965, Japan), Brighton (1969, UK), Munich (1973, Germany), Waterloo (1977, Canada), Cannes (1981, France), New Delhi (1985, India), Houston (1989, USA), Kiev (1993, Ukraine), Sydney (1997, Australia), Honolulu (2001, Japan/USA), Turin (2005, Italy) and Ottawa (2009, Canada).*

A series of InterQuadrennial Conferences on Fracture has been held in different continents, Asia, Europe, Australia, and North America. Egypt will host its 1st InterQuadrennial ICF Conference in 2011. Egyptian researchers have earned a strong reputation in international circles and continue to make substantial contributions to the field of mechanics and mechanisms of fracture. As in most countries, the research effort in Egypt is undertaken at the universities, research institutions and private sector levels. Current research activity in universities, research institutions and private sector covers the whole spectrum of fracture and fatigue.

The aim of this InterQuadrennial Conference of ICF in Middle East and Africa (IQCMEA-ICF) is the continuation of successful series of InterQuadrennial Conferences that have been held around the world. The **IQCMEA-ICF** is aimed to bring together researchers and engineers to review and discuss advances in the development of methods and approaches on Processing, Performance and Failure Analysis of Engineering Materials, by the leading international experts in the field, **This ICF InterQuadrennial Conference in Middle East and Africa** will promote experience exchange and provides a forum for researchers and engineers of the host nation to present their accomplishments and to develop new ideas at the highest level. **International Conferences** have an important role to play in the technology transfer process, especially in terms of the relationships to be established between the participants and the informal exchange of ideas that this ICF offers. The presence of *the InterQuadrennial ICF in Middle East and Africa* offers an opportunity that must be taken.

CONFERENCE HIGHLIGHTS

The InterQuadrennial ICF Conference in Middle East and Africa (**IQCMEA-ICF**) will link the worlds of academia, industry and government for an outstanding exchange of authoritative research, technical applications, and novel solutions in the metals and materials fields. **IQCMEA-ICF** will focus on all aspects of materials processing, failure analysis and structural integrity with the objective of improving the safety and performance of engineering structures, components and their associated materials. Through presentations of scientific research, plenary sessions, programmed as well as impromptu discussions, and an exhibition of today's latest product and service solutions, researchers, scientists, engineers and academicians will gain useful knowledge and valuable contacts to advance their work.

Below are the technical tracks and the symposia that are currently being organized. If you would like to propose a new symposium, please contact *Dr. Abdel-Monem El-Batahgy* (email: elbatahgy@yahoo.com) or *Dr. Mimoun Elboujdaini* (email: melboujd@nrcan.gc.ca).

CONFERENCE TOPICS

The conference will include oral and poster presentations covering the following topics:

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|---|--|
| 1. Materials Properties and Performance | 11. Forming/Welding |
| 2. Materials for Energy Applications | 12. Fracture Mechanics/Dynamics |
| 3. Pipeline Materials | 13. Structural Reliability Analysis |
| 4. Nanomaterials | 14. Failure Analysis |
| 5. Polymers and Composites | 15. SCC & Hydrogen Embrittlement |
| 6. Reinforced Concrete | 16. Creep |
| 7. Biomaterials/Biomechanics | 17. Fatigue |
| 8. Computational Materials/Modelling | 18. Environmentally Assisted Cracking |
| 9. Design and Construction | 19. Reliability Modelling and Prediction |
| 10. Laser Materials Processing | 20. Emerging Technology |

VENUE

The Conference will be held at Steigenberger Nile Palace in the heart of the historical city of Luxor located 600km south to Cairo. Culture visitors flock from all over the world to the major archaeological finds in the unique city. Luxor, the City of palaces, with its special charms, leaves a lasting impression on all its visitors and forms the perfect backdrop for successful business deals.



www.luxor.steigenberger.com

The impressive panorama of the area promises an unforgettable experience

IMPORTANT DATES

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|---|--------------------------|
| • Submission Deadline for Abstract | October 15, 2010 |
| • Notification of Acceptance of Abstracts | October 31, 2010 |
| • Submission Deadline for Full Papers | November 30, 2010 |
| • Notification of Acceptance of Papers | December 31, 2010 |

Papers should have a maximum of 10 pages including figures and tables (typed single spaced on 8.5x11 sheets, single column, Times New Roman 12 font), to be send by e-mail: Secretary General IQCMEA-ICF "info@icf-egypt2011.org"

CONFERENCE LANGUAGE

English

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