

ICF: The World Academy of Structural Integrity
August 29 2010 , TU Dresden
Room 103, 4.30-5.30pm
ExCo Meeting

MINUTES

(1) Attendance

David Taplin, Alberto Carpinteri, André Pineau, Tong-Yi Zhang, Emmanuuel Gdoutos, Harald Zenner, Christina Berger, Hans Richard, Robert Goldstein, Mimoun Elboujdaini, Dietmar Klingbeil, Susanne Bachofer
Yu Shouwen, Feng Xiqiao, Tang Yanam, Guo Liang, (CSTAM September 1);
Manfred Bacher-Höchst, Yuan Huang (DVM September 1), Ashok Saxena (ASTM September 2)

(2) DVM Welcome

On behalf of Manfred Bacher-Höchst **CB** welcomed everyone warmly to this important meeting between ICF and DVM.

(3) ICF Welcome

AC expressed appreciation to DVM for facilitating this series of ICF ExCo Meetings here at ECF18. This is a three part meeting of ExCo at ECF18 due to staged arrivals of key members of ExCo. The second meeting will be at 11:00 am – 12:00 noon on September 1, 2010 (Room 103). The third meeting will be at 1:00 – 2.00 pm (Room 103). There will be a further meeting of ICF ExCo on October 4-6 2010 at Tohoku University Sendai, Japan, at indeed the birthplace of ICF. And then a formal Mid-Quadrennium ICF ExCo will be held at ICF IQ Anaheim May 19 2011. **AC** noted that ECF18 was the first ECF Biennial formally designated as additionally an ICF Interquadrennial. The very first ICF Interquadrennial designated ICF IQ1 was held in Beijing November 1983 under the Steering Committee Chairmanship of **DT**. The Tables appended provide a summary. There have been over 20 ICF IQ's. The main topics for the second meeting on September 1 here in Dresden will be progress on ICF13 presented by Yu Shouwen, the Sino-German Workshop and developments there from, the proposed ICF/DVM MoU and on Interquadrennials by Mimoun. The main topic of the third meeting on September 2 will be the ICF14 MoU presented by Ashok Saxena and regarding the ASTM/ICF MoU coupled to the ICF/ASTM MoU regarding the Anaheim IQ.

(4) WASI Discussion

DT presented an overview of the range of documents previously distributed. The overall goal is the competitive development of the **ICF Brand** over the next decade through ICF13 and ICF14 to ICF15 in particular. Key points are as follows:

(a) ICF now has good experience of the concept of the MoU and this will be developed further for the Quadrennials by **AS** and for the Interquadrennials by **Mimoun**.

(b) **AS** continues 2009-2013 as Awards Chairman and is developing the Awards policy including the concept of the Emeritus title. It has been proposed separately that the Emeritus Process will be initiated auspiciously at ICF Sendai in October 2010. Each ICF Honorary Fellow would become an **Academician** of "The World Academy of Structural Integrity".

(c) The core feature of the ICF Brand is the original ICF Logo and this would be retained absolutely with simply the additional descriptive subtitle "The World Academy of Structural Integrity".

(d) Progressively the Quadrennials are extending the scope of ICF including Geophysics, Bioengineering, Safe Design, Integrated Engineering Asset Management and we take the new descriptor "Structural Integrity" to encompass the meaning of the full scope of ICF as now developed and for the future.

(e) Through the Dresden Accord a Document was produced on Bidding-Guidelines and this needs to be developed for Quadrennials and Interquadrennials. This includes the concept of the "Ottawa-Model".

(f) The ambitious context of the evolution of ICF as an "**Academy**" expresses the original vision for ICF as agreed at the Founding Council at ICF2 in Brighton April 1969.

(g) IGF has kindly agreed to develop and host the development and launching of a new ICF:WASI Website through AC/FI in Italy. The full E-Proceedings from ICF10 through ICF11 and 12 and forward from ICF13 would be incorporated within the ICF Website.

(5) WASI Debate

AP presented a strongly supportive commentary on the additional need within ICF:WASI to develop the educational and teaching aspects of our discipline.

RG presented a view that we should explore the developing scope of ICF:WASI and the full meaning of "Structural Integrity" to perhaps include the new arenas especially technical systems and natural phenomena.

Mimoun presented a view that the developing cadre of IQ's in Africa were especially important for the next decade including the educational/teaching aspects described by **AP**.

TZ indicated that in the context of ICF:WASI it would be beneficial to develop "**FEFG**" (The Far East Fracture Group/East Asian Fracture Group). This development progresses from ICF13 Beijing.

EG commented on the need for a clear definition of the Membership for the new Academy.

HR commented on the important teaching challenge.

AC indicated that there was a strong positive consensus for the development of **ICF: The World Academy of Structural Integrity**.

(6) Conclusions

AC/DT expressed the appreciation of ICF to DVM for hosting this very productive meeting with now a clear Mandate for the development of **ICF: The World Academy of Structural Integrity**.

September 1 2010

David Taplin, ICF Conference Director

Susanne Bachofer, DVM Congress Manager

Table 1: International & European Conferences on Fracture

ICF1 Sendai (Japan) 1965
ICF2 Brighton (England) 1969
ICF3 Munich (Germany) 1973
ECF1 Compiègne (France) 1976
ICF4 Waterloo (Canada) 1977
ECF2 Darmstadt (Germany) 1978
ECF3 London (United Kingdom) 1980
ICF5 Cannes (France) 1981
ECF4 Leoben (Austria) 1982
ICF IQ1 Beijing (China) 1983
ECF5 Lisbon (Portugal) 1984
ICF6 New Delhi (India) 1985
ECF6 Amsterdam (The Netherlands) 1986
ECF7 Budapest (Hungary) 1988
ICF7 Houston (USA) 1989
ECF8 Turin (Italy) 1990
ECF9 Varna (Bulgaria) 1992
ICF8 Kyiv (Ukraine) 1993
ECF10 Berlin (Germany) 1994
ECF11 Poitiers (France) 1996
ICF9 Sydney (Australia) 1997
ECF12 Sheffield (United Kingdom) 1998
ECF13 San Sebastian (Spain) 2000
ICF10 Honolulu (USA) 2001
ECF14 Krakow (Poland) 2002
ECF15 Stockholm (Sweden) 2004
ICF11 Turin (Italy) 2005
ECF16 Alexandroupolis (Greece) 2006
ECF17 Brno (Czech Republic) 2008
ICF12 Ottawa (Canada) 2009
ECF18 Dresden (Germany) 2010
ECF19 Kazan (Russia) 2012
ICF13 Beijing (China) 2013
ECF20 2014
ECF21 2016
ICF14 2017
ECF22 2018
ECF23 2020
ICF15 2021
ECF24 2022

Note AC 16.09.2010: For the archives this list should currently be amended; ICF-IQ Conferences Moscow 2003, Moscow 2007, Catania 2007, Bangalore 2008, etc., are to be added.

Table 2: ICF INTERQUADRENNIAL CONFERENCES 2010/2011

August 30 to September 3 2010

ECF18 European Conference on Fracture - Fracture of Materials and Structures from Micro to Macro Scale

ICF Interquadrennial & ECF Biennial, Chairman: Dietmar Klingbeil, Dresden, Germany
www.ecf18.de

October 4-6, 2010

International Conference on Fracture and Strength

ICF Interquadrennial, Chairman: Toshimitsu Yokobori & Teruo Kishi, Sendai, Japan
www.md.mech.tohoku.ac.jp/ICFS2010/

17-19 November 2010

Symposium on Creep-Fatigue Interaction in High Temperature Materials and Structures

Co-Chairmen: Ashok Saxena & Bilal Dogan, San Antonio, Texas, USA
ASTM Committee E08 on Fatigue and Fracture

February 14 - 17, 2011

Processing, Performance and Failure Analysis of Engineering Materials

1st Interquadrennial ICF Conference in Middle East and Africa, Luxor, Egypt
www.icf-egypt2011.org

18-20 May 2011

11th International ASTM/ICF/ESIS Symposium on Fatigue and Fracture Mechanics

(38th National Symposium on Fatigue and Fracture Mechanics)

Co-Chairmen: Charlotte Belsick, Steve Daniewicz, Emmanuel Gdoutos ASTM Committee
Anaheim, California, USA
E08 on Fatigue & Fracture and ESIS

July 11 and subsequent days, 2011

Science and Innovation

Quito, Ecuador

www.riq-ecuador2011.org

October 18-20, 2011

Materials Challenges for Oil and Gas in the 21st Century

1st Regional Inter-Quadrennial ICF Conference

Dat-El-Emad, Tripoli, Libya, Africa

www.riq-icf2011.org