

## ESIS COUNCIL MEETING

5th July 2006, 18.00 – 19.30

Egnatia Hotel  
ALEXADROUPOLIS, GREECE

### AGENDA

1. Introduction and Communications
2. ESIS Membership
3. National Groups
4. Financial Report
5. Technical Committees
6. ECF17 (Czech Republic)
7. ECF18 (Organiser/Location to be decided)
8. ESIS Awards
9. Election of the two ESIS Vice-Presidents 2006-2010
10. Election of ESIS President 2006-2010

### ATTENDEES

Twenty-one Countries and ten ESIS Technical Committees were represented at Council, which was composed of 43 Members.

A full list of attendees is given at the end of these Minutes.

### 1. INTRODUCTION AND COMMUNICATIONS

This Council Meeting was held during the week of the 16th EUROPEAN CONFERENCE ON FRACTURE (ECF16), in **Alexandroupolis**.

The President of ESIS, Professor Alberto Carpinteri, chaired the meeting.

He informed that during the last two years the following activities have been organized or co-organized by ESIS:

- International Conference on Crack Paths CP 2006, September 14–16, 2006, Parma, Italy
- Conference on Multiaxial Fatigue and Fracture ICMFF8, June 10-14, 2007, Sheffield, UK
- 6th International Conference on Fracture Mechanics of Concrete and Concrete Structures & Post-Conference Workshops FraMCoS-6, June 17-22, 2007, Catania, Italy
- 13th International Conference on Experimental Mechanics, July 1-6, 2007, Alexandroupolis, Greece
- ICF12 Ottawa (Canada) 2009
- ICF13 Beijing (China) 2013.

The President postponed further communications to the following specific points.

### 2. ESIS MEMBERSHIP

The Secretary, Professor Giuseppe Ferro, reported the figures of the ESIS Members who sent the membership form to the registered office during the last four years. ESIS registered 105 in 2003, 313 in 2004, 354 in 2005, while for 2006 the members are (up to June) more than 500.

The strong increment in the number of ESIS Members is an indicator of the validity of the Federal Model adopted recently.

### 3. NATIONAL GROUPS

The Secretary informed the Council about the situation of the National Groups.

11 Nations published material on ESIS web site: Bulgaria, Croatia, Czech Republic, France, Italy, Romania, Russia, Serbia, Slovak Republic, Sweden, Ukraine. 17 Nations (Austria, Bulgaria, Czech

Republic, Croatia, France, Germany, Greece, Italy, Poland, Romania, Russia, Serbia, Spain, Sweden, Switzerland, UK, Ukraine) have used 2/3 of ESIS Membership for national group organization. From 2006 the membership will be connected with the ECF Conferences.

#### **4. FINANCIAL REPORT**

The Treasurer, Professor Giuseppe Ferro, informed the Council about the financial situation of the Society.

The figures are the following (in Euro):

ESIS Deposit in March 2005	94635,59
<u>EXPENSES FOR 2005-06</u>	
Postal	1600,00
Secretariat	
(redaction of web site, collaborators, bank, etc.)	4000,00
Web site	1600,00
Newsletter	2400,00
Contribution to ECF 16	25000,00
TOTAL EXPENSES	34600,00
<u>INCOMING</u>	
ESIS Membership 2005 (350 members)	3500,00
Royalties Elsevier	10000,00
TOTAL INCOMING	13500,00
New ESIS Deposit in June 2006	73535,59

The new ESIS' Portfolio consists of 73535,59 €. The Assembly approved the report unanimously.

#### **5. TECHNICAL COMMITTEES**

Prof. Stefano Beretta briefly reported to the Council about the "some news from TC's":

- i) TC2 will be re-established under the chair of Prof. Pokluda;
- ii) TC12 has just held a very successful meeting (in terms of participation and contributions) in London;
- iii) there has been no interest in re-launching the activity of TC19 ('Structural Health Monitoring') that therefore will be definitely closed;
- iv) TC24 has elected new chairmen, namely Prof. R. Smith (Imperial College, UK) and Prof. U. Zerbst (GKSS, Germany).

About TC7, Prof. Francois gratefully acknowledged the support of ESIS to attend ECF16 where he was having contacts with other TC Chairmen in order to update the ESIS Nomenclature (following the decision taken by the Council in Turin).

About TC9, Prof. Karihaloo illustrated the recent results of TC9 in terms of a compendium about Fracture of Concrete Structures that had been submitted to Elsevier for publication as an STP. Considering that the main goal of his chair has been achieved, Karihaloo expressed his intention to resign from TC9 Chair and that TC9 has already approved the new appointment to Prof. Jan van Mier. Carpinteri thanked Karihaloo for his effort in achieving such an important publication, that will be part of the ESIS editorial activity within the agreement with Elsevier.

About the Newsletter, Beretta briefly re-called the difficulties in obtaining TC reports for the Newsletter, whose production had been delayed up to the beginning of June. Such difficulties are also reflected by the fact that the Calendar of TC meetings is no longer appearing in Elsevier Journals. About the website, the same situation (lack of information from TC Chairmen) has been affecting its content. The problem is also that only a few TCs maintain their own homepage.

#### **6. ECF 17 (CZECH REPUBLIC)**

Professor Pokluda presented the organization of ECF 17 to the Assembly.

The 17<sup>th</sup> EUROPEAN CONFERENCE ON FRACTURE (ECF17) with the title "Multilevel Approach to Fracture of Materials, Components and Structures", will be held in Brno, Czech Republic on September 2 - 5, 2008.

The web site of the conference is: <http://ecf17.fme.vutbr.cz/>.

The General Chairmen are: Jaroslav Pokluda (Brno University of Technology) and Petr Lukas (Institute of Physics of Materials).

ECF17 will be held at the Faculty of Mechanical Engineering, Brno University of Technology, Technická 2, Brno, Czech Republic.

As for the preceding conferences, ECF17 will focus on all aspects of fracture of engineering materials, components and structures. A special emphasis will be given to a multiscale investigation of damage processes on atomistic, mesoscopic and macroscopic levels. Thus, the conference topics will focus on the following fields:

Different level of approaches to fracture analyses: fracture at atomistic and molecular scales, mesomechanics, micromechanics and macromechanisms of fracture, linear and nonlinear fracture mechanics etc. Physical aspects of fracture: brittle fracture, ductile fracture, fatigue, fretting fatigue, mixed mode fractures, creep, temperature and environmental effects, strain rate effects etc.

Advanced engineering materials in the service: metals, ceramics, polymers and their composites, smart materials and structures, biomaterials, nanostructured materials, etc.

Structure and component integrity topics: probabilistic approaches to fracture, reliability and life of components and structures, failure analysis and case studies, scaling and size effects, damage mechanics etc.

The conference will comprise invited lectures together with contributed oral and poster presentations covering the above mentioned topics.

The Assembly approved the proposal unanimously.

## **7. ECF 18 (ORGANISER/LOCATION TO BE DECIDED)**

The President informed that two Nations (UK and Germany) manifested the intention to organise ECF 18, to be held in 2010 and prepared the formal documented bids. It had been agreed that UK (London) would make the first presentation. The Delegates from Germany then left the Council Chamber and the Delegation from UK made a full presentation to Council followed by wide-ranging questions. The Delegation from UK then left the Council Chamber and the Delegates from Germany (Dresden) returned and made a full presentation to Council followed by wide-ranging questions. The Delegation from UK then returned to the Council Room and by agreement of Council the voting process was commenced.

The result was the following:

UK                    10 Votes

Germany            20 Votes

The decision of the ESIS Council was thus announced formally: the EIGHTEENTH EUROPEAN CONFERENCE ON FRACTURE-ECF18 will be held in Dresden, Germany, on September 2-6, 2010 under the Chairmanship of Professor Meinhard Kuna and of Professor Michael Schaper. This was approved with appreciation to both candidatures.

## **8. ESIS AWARDS**

Professor Emmanuel Gdoutos, Chairman of the Awards Committee, was pleased to announce that his tasks were satisfactorily completed following lengthy discussions with his committee members, and that Awards, Medals and Certificates would have been presented at the Banquet of ECF16 on Thursday.

The ESIS Medals and Awards for 2006 were as follows:

THE GRIFFITH MEDAL & CERTIFICATE	Professor Bhushan Karihaloo
THE WÖHLER MEDAL & CERTIFICATE	Professor Robert Ritchie
AWARD OF MERIT	Professor Andrzej Neimitz
HONORARY MEMBERSHIP	Professor Leslie Banks-Sills

## **9. ELECTION OF THE TWO ESIS VICE-PRESIDENTS 2006-2010**

Professor Andrej Neimitz and Professor Leslie Banks-Sills were elected unanimously to the posts of Vice-President, after being nominated by Professor Alberto Carpinteri (Proposer) and Professor Bushan Karihaloo (Secunder).

## 10. ELECTION OF ESIS PRESIDENT 2006-2010

Professor Emmanuel Gdoutos, organizer of an excellent and outstanding ECF conference, was elected unanimously to the post of President, after being nominated by Professor Alberto Carpinteri (Proposer) and Professor Leslie Banks-Sills (Secunder).

The meeting was closed at 19.30 hours.

The ESIS Secretary

The ESIS President

Professor Giuseppe Ferro

Professor Alberto Carpinteri

### ATTENDEES AT COUNCIL MEETING

Austria	Loibngger (Voting member), Major
Bulgaria	Angelova (Voting member)
Canada	Taplin
Croatia	Jalasha (Voting member)
Czech Republic	Pokluda (TC2 Voting member), Dlouhy (Voting member), Sandera
France	Petit (Voting member), Francois (TC7 Voting member)
Germany	Kuna (Voting member) Dieztel (TC10 Voting member)
Greece	Gdoutos (Voting member)
Hungary	Lenket (Voting member)
Israel	Banks-Sills (Voting member)
Italy	Carpinteri, Ferro (Voting member), Beretta (TC20 Voting member), Spagnoli (TC3 Voting member)
Poland	Neimitz (Voting member)
Romania	Marsavina (Voting member)
Russia	Goldstein (Voting member)
Serbia	S.Sedmak (TC13 Voting member), A.Sedmak, Sumarac, Radovic, Ognjanovic, Ravik (Voting member), Milovic, Marskovic (TC 12 Voting member), Dogan (TC11 Voting member)
Slovakia	Cacko (Voting member)
Slovenia	Gubeliak (Voting member)
Spain	Meizoso (Voting member)
Switzerland	Brunner (Voting member), van Mier (TC9 Voting member)
UK	Flewitt, Barton, Truman, Karihaloo (Voting member), Williams (TC 4 Voting member)
Ukraine	Panasjuk (Voting member), Nyicyforchyn