

STATUTES OF
THE INTERNATIONAL CONGRESS
ON FRACTURE



Registered Office

Department of Nanomechanics,
Graduate School of Engineering,
Tohoku University

Aoba 6-6-01, Aramaki, Aoba-ku
Sendai, 980-8579, Japan

May, 2011

PREFACE

In 1965 International Conference on Fracture (thereafter referred to as the First International Conference) held in Sendai, Japan, in September was under the chairmanship of Professor Takeo Yokobori. Approximately 500 participants from 19 countries joined in establishing an international organization on fracture, that is, the International Congress on Fracture. A provisional Committee was organized for this purpose. Most of members of this committee consisted of those who served on the Organizing Committee for the first International Conference on Fracture. Professor Takeo Yokobori, who was the Chairman of the Conference was elected as the Chairman of this Committee.

In October 1967, the draft of the Statutes & Bye-Laws of the International Congress on Fracture (hereinafter referred to as ICF) were prepared. After studying and commenting among persons concerned, the amended draft was completed and approved in April 1969, during the Second International Conference on Fracture in Brighton, UK. Professor Takeo Yokobori, who took the initiative for the initiating The ICF through long time was by acclamation elected as the first President & Vice-Presidents, Directors, Treasurer and Secretary General were elected, and this Congress formally started operating in April 1969 with the Registered Office located in Sendai, Japan, c/o the Research Institute for Strength and Fracture of Materials, Tohoku University.

The aims of the Congress are to foster research in the mechanics and phenomena of fracture, fatigue, and strength of materials for development of materials which are better failure-resistant than the conventional materials and development of design methods that are better failure-safe than the conventional ones; to promote international co-operation among scientists and engineers in the field, and integration of the many disciplines involved in such research; and to provide means whereby results of such efforts may be publicly communicated. For this purpose, the Congress shall, both solely and in-cooperation with other bodies, hold the regular International Conference on Fracture at least once every four years.

STATUTES
OF
THE INTERNATIONAL CONGRESS ON FRACTURE

Established at the Council meeting, April 16, 1969,
Revised; April 12, 1973; March 31, 1981; December 8 1984; March 23, 1989;
December 3, 2001; March 21, 2005; July 13, 2009.

Article 1-NAME

The name of this organization is the International Congress on Fracture, (hereinafter referred to as the "Congress"). The initials ICF may be used as the abbreviated name of the Congress.

Article 2-OBJECTS

2.1 The objects of the Congress are to foster research in the mechanics and phenomena of fracture, fatigue, and strength of materials for development of materials which are better failure-resistant than the conventional materials and development of design methods that are better failure-safe than the conventional ones; to promote international co-operation among scientists and engineers in the field, and integration of the many disciplines involved in such research; and to provide means whereby results of such efforts may be publicly communicated.

2.2 For this purpose, the Congress shall, both solely and in co-operation with other bodies:

- (a) hold the regular International Conference on Fracture at least once every four years;
- (b) hold an appropriate interim Semi-International or International Symposia on specified subjects within the objects of the Congress
- (c) carry out such other activities as appear desirable to facilitate:
 - (i) the interchange of scientific and technical information relating to the research of the subject;
 - (ii) the extension of technical co-operation;
 - (iii) the education of young specialists.

Article 3-MEMBERSHIP

3.1 Membership shall be open to organizations, societies, bodies and individuals maintaining an active interest in the objects of the Congress.

3.2 In this STATUTES the words "members" shall be understood to mean members of the Congress.

3.3 Bodies which desire to join the Congress shall make written application in such form as may be prescribed by the Council and shall undertake to be governed by the STATUTES and the Bye-Laws of the Congress. The Council shall consider such applications, and obtain the advice of the delegation of the country concerned, if there is, and make such other enquiries as it may think desirable. Membership shall be granted by vote of the Council.

3.4 The quorum shall be three-fifths of the total number of national delegations of the ICF.

3.5 The majority which shall be effective shall be two-thirds of the total number of delegations present or represented.

Article 4-THE COUNCIL

4.1 The Council shall consist of national delegations, one of which shall be appointed by each country. A delegation shall consist of not more than three members. In addition, the Founder-Members* shall be permanent members of the Council. (Revised April, 1973)

4.2 The Founder-President shall sit permanently in the Council. (Provided April, 1973)

4.3 The national delegation for each country shall be nominated by that country.

4.4 The functions of the Council shall be:

(a) to manage the Congress by means of the Executive Committee described in

Article 5 ;

- (b) to prepare the general programme of the Congress;
- (c) to elect a President not more than three Vice-Presidents, not more than five Directors, a Treasurer and a Secretary-General from among its own members;
- (d) to elect members;
- (e) to select date and place of the International Conference on Fracture as mentioned in 2.2 (a);
- (f) to approve and amend as necessary the STATUTES and, after consultation with the Executive Committee, the Bye-Laws;
- (g) to consider any other matters affecting the Congress.

4.5 A session of the Council shall be held during each International Conference.

4.6 The Council shall receive from the Secretary an annual report a financial statement showing the income and expenditure of the Congress and its balance sheet duly approved by the Treasurer.

4.7 Voting by the Council shall be by national delegations, each of which shall have one vote. The Council may vote on matters other than applications for membership and amendments of the STATUTES if a quorum of at least one-third of the total number of national delegations of the ICF is present A simple majority shall be effective.

4.8 When none of the members of a national delegation is able to attend the meeting of the Council, the delegation may, in due form, delegate their powers to another national delegation, and the Secretary-General shall be informed of their transfer of powers. No national delegation shall accept at any one time delegated powers from more than two other countries so that the maximum number of votes permitted to one delegation, including votes received by delegation is three.

4.9 For matters requiring interim action by the Council, decisions may be taken by postal ballot. This will require a majority vote for adoption.

* See Table 1

Article 5-EXECUTIVE COMMITTEE

5.1 The President the Vice-Presidents, the Directors, the Treasurer and the Secretary-General shall hold office for one term, that is, from the close of the regular International Conference on Fracture to the close of the next one.

5.2 The President the Vice-Presidents and the Directors shall not be eligible for re-election until after an interval of one term. The Treasurer and the Secretary-General may be re-elected. (Revised March 1981)

5.3 The Founder-Members, shall be permanent members of the Executive Committee. When any of them becomes unable or unwilling to be an Executive Committee member, he may, on his request be excluded from the Executive Committee, but he shall retain the title of Founder-member. (Revised April 1979)

5.4 The Executive Committee is composed of the persons specified in Articles 4.4 (c) and 5.3. In addition, former Presidents shall sit on the Executive Committee, with the right to speak but not to vote, for a period of two terms after the termination of their term of office.

5.5 The functions of the Executive Committee shall be:

(a) to take all decisions necessary for the conduct of the Congress between meetings of the Council, with the proviso that it reports its actions to the Council at the next meeting of the latter;

(b) to approve and amend as necessary the Bye-Laws, decide upon the programmes of the Council and, between meetings of the Council, authorise the publication of documents prepared within or submitted to the Congress;

(c) to assist the Local Organizing Committee in the host country in the planning of the International Conference on Fracture;

(d) to make recommendations to the Council for its action either in session or by postal ballot;

(e) to fill any vacancy in the Officers of President the Vice-Presidents, the Treasurer

and the Secretary-General that may occur between the International Conferences.

5.6 The Executive Committee may invite to attend its meetings such additional individuals as it considers necessary.

5.7 The Executive Committee may appoint from among its members committees for special purposes.

5.8 The Executive Committee shall meet during each International Conference, and at such other times as may be convenient.

5.9 The Executive Committee may vote if a quorum of fifty percent is present. A simple majority shall be effective.

5.10 The President of the Congress shall be the Chairman of the Executive Committee.

5.11 Against the decisions of the Executive Committee it is possible to appeal to the Council.

Article 6-PRESIDENT

The functions of the President shall be:

- (a) to preside at meetings of the Executive Committee and at sessions of the Council;
- (b) to act on behalf of the Congress in the conduct of the affairs of the Congress in accordance with policies and procedures adopted by the Council and the Executive Committee;
- (c) to designate the order of the precedence of the Vice-Presidents with respect to assumption of the duties of President under the circumstances referred to Article 7.

Article 7-VICE-PRESIDENTS

The functions of the Vice-Presidents shall be to assume the duties of the

President in case the President is unavailable.

Article 8-SECRETARY-GENERAL

The functions of the Secretary-General shall be:

- (a) to be responsible for the administrative and financial management of the Congress;
- (b) to make all necessary preparations for the meeting of the Council and the Executive Committee;
- (c) to maintain the records of the Congress;
- (d) to conduct the correspondence necessary to the affairs of the Congress.

Article 9-TREASURER

The Treasurer shall be responsible for the supervision of the finances of the Congress.

Article 10-ASSEMBLIES

The regular assemblies may include the session of the Council, and the regular International Conference on Fracture, etc.

Article 11-FINANCES

11.1 Operating expenses of the central office of the Congress shall be met by the national member in the country in which the registered office is located.

11.2 Each national member shall be responsible for meeting its own expenses.

11.3 The financial arrangements connected with arranging the International Conference and other meetings shall be the responsibility, in each case, of the host country.

11.4 The foregoing shall not preclude any members from voluntarily contributing to

the funds of the Congress or to the organizing expenses of the International Conference.

11.5 The financial year of the Congress shall be the calendar year.

Article 12-GENERAL

12.1 The registered office of the Congress shall be located in the country of which the Secretary-General is a delegate. It is determined by the Council.

12.2 The official language of the Congress shall be English.

Article 13-BYE-LAWS

The present STATUTES shall be applied by means of the Bye-Laws prepared under the authority of the Executive Committee and approved by it and by the Council. The Bye-Laws may be amended by vote of the Executive Committee. All such amendments shall be reported to the Council in the annual report of the Secretary and shall become definite if not rejected by the Council.

Article 14-AMENDMENTS

14.1 The amendment may be proposed either by any national delegations or by the Executive Committee.

14.2 To amend the STATUTES, a quorum of three-fifths of the total number of national delegations of the Council shall be required.

14.3 Adoption of any amendment to the present STATUTES shall require two-thirds affirmative vote of the delegates present at the session of the Council.

14.4 The proposed amendments shall be circulated to all national delegations at least one month before the meeting at which they are to be considered.

Article 15-HONORARY FELLOWS

The Congress shall award to appropriate individuals the grade of Honorary Fellow of the Congress, in recognition of work done by such individuals to further the objects described in Article 2. Such Honorary Fellows shall be elected by the Council by the same procedure as that used for election of Officers.

Article 16-ICF GOLD MEDALS

Three ICF Gold Medals may be awarded at each quadrennial conference; up to three individuals may share each award.

16.1 ICF Takeo Yokobori Gold Medal: This medal is in honour of the vision of Professor Takeo Yokobori in organizing the International Congress on Fracture. The award will be presented to a senior researcher in recognition of life-time service to ICF through his/her career. In addition to scientific achievements in the field of fracture, the impact of the service provided to ICF shall be a major criterion for selection of the winner.

16.2 ICF Alan Cottrell Gold Medal: This medal is in honor of the many scientific contributions of Alan Cottrell that have been recognized for decades and have provided deep fundamental understanding of fracture in structural materials. This award will be presented to a senior researcher in the field of fracture who through his /her work has made pioneering contributions to the understanding of the phenomenon of fracture.

16.3 ICF George Irwin Gold Medal: This medal is to honor the individual who is affectionately known as the “Father of Modern Fracture Mechanics”. This award will be presented to a senior researcher whose pioneering contributions have had lasting impact on engineering applications of fracture theories.

THE BYE-LAWS

Article I -REGISTERED OFFICE

The registered office of the Congress shall be located at Sendai. The President shall be authorized to establish a technical office, as he deems appropriate, to work with the registered office. (Approved at the Council, April 12, 1973, Munich)

Article 2-NOMINATION COMMITTEE

2-1 There shall be a nomination committee whose chairman and members shall be elected by the Council at each meeting of the Council. The nomination committee shall propose new officers of the ICF at each international conference of the Congress (Approved at the Council, April 12, 1973, Munich. Revised at the Council, December 3, 2001, Honolulu)

2-2 The members of the Nomination Committee shall not be eligible for re-election until after an interval of one term, except that one member of the previous term may be nominated, but not as Chairman of the new Committee. (Approved at the Council, December 8, 1984, New Delhi)

Article 3-PUBLICATIONS COMMITTEE

The President shall appoint a Publication Committee consisting of 5 members and shall appoint one of them as the Chairman. Member of the Committee and the Chairman may serve more than one 4 years term, but at least one new member of the Committee shall be appointed at each quadrennial meeting. The Chairman is empowered to act in behalf of ICF in negotiating contracts with publishers, printers and others and these actions shall be carried out only with the consent of a majority vote of the Committee. The Publications Committee shall adopt the "Publications Policy for ICF" which was ratified by the Executive Committee in March 1981. The Policy may be amended by a majority vote of the Committee.

Copyrights to the ICF Proceedings and any other publications shall be property of ICF, but may be assigned by contract to a publisher under safeguards to be determined by the ICF Executive Committee.

Income from publications of ICF (other than conference preprints) shall be paid to an ICF account under the jurisdiction of the Treasurer of ICF. This money is to be used to help with the initial expenses of the ICF quadrennial conferences, to reduce the fees of the conferences, to sponsor special publications of ICF and for any other needs arising relating to ICF. Disbursements of publication funds shall be under the jurisdiction of the Executive Committee. (Approved at the Council, March 31, 1981, Cannes)

Article 4-HONORARY FELLOWS

All Honorary Fellows shall be appointed non-voting members of the Council (Approved at the Council, 1984)

Article 5

In view of the responsibility of ICF as a central organization for the quadrennial conference, 5% of the registration fee for each quadrennial conference is to be paid to ICF in convertible currency. (Approved at the Council, March 23, 1989, Houston)

Article 6

There shall be an Awards Committee whose chairman and members shall be appointed by the Executive Committee for each quadrennial term. The Awards Committee shall recommend Honorary Fellows and other awards, as appropriate, (Approved at the Council, December 3, 2001, Honolulu)

The maximum number of living Honorary Fellows, FICF(hc), should not exceed 50. (Approved at the Council, March 22, 2005, Turin)

Article 7

There shall be a contract (MoU: Memorandum of Understanding) exchanged for the Organization of each conference between the Organization and ICF within four months of the decision by ICF Council on each quadrennial conference.

(Approved at the Council, March 22, 2005, Turin)

Article 8

There shall be three ICF Honour Lectures at each ICF Quadrennial

Conference: An Opening Honour Lecture; A Closing Honour Lecture; A Presidential Honour Lecture. The Honour Lecturers are to be selected by the ICF President and ExCo for recommendation to the ICF Executive Quadrennial Chair so that these can be publicised in a timely manner as early "Star Features" of each Quadrennial Conference.

Article 9

In order to establish a network of organisations worldwide for ICF collaborations "Memoranda of Understanding" will be negotiated with suitable national and international organisations. These MoUs will be presented for approval by ICF ExCo progressively at a suitable stage, for formal agreement by ICF ExCo.

Article 10

In accord with the developments of ICF since ICF12 in July 2009, ICF will adopt a sub-title and become known as **"ICF: The World Academy of Structural Integrity"**.

Article 11

In accord with a collaboration with the Italian Group of Fracture (GRUPPO ITALIANO FRATTURA), IGF, a new ICF-WASI website will be established incorporating all ICF Quadrennial Proceedings and ICF Interquadrennial Proceedings for open access where suitable, bearing in mind that ICF retains the Copyright of all Quadrennial Proceedings (Article 3 - Bye-Law 3).

Article 12

Honorary Fellows of ICF shall henceforth be entitled "ICF Academicians".

Article 13

At each Quadrennial Conference a list of new ICF Fellows will be announced upon the recommendation of the Awards Committee. The number of successful new Fellows should generally be five per Quadrennium.

Article 14

The Awards Committee will recommend candidates for two new medals to augment the ICF Awards Programme consisting of the existing Gold medals in Honour of Yokobori, Cottrell & Irwin. A new Gold Medal will be presented to Honour

of the contributions of Paul Paris, one of the pioneers in the field of applications of Fracture Mechanics in structural integrity assessments. This medal will be referred to as the “ICF Paris Gold Medal”. The other will be a Silver Medal to Honour the contributions of Constance Tipper, a true pioneer among women in the field of fracture research. The medal will be referred to as the “ICF Tipper Silver Medal”. The Awards Committee will develop the detailed criteria for selecting the winners of these five ICF Medals for approval by the Executive Committee.

Table 1 FOUNDER MEMBERS

Founder President	T. Yokobori	Japan
Founder Member	B. L. Averbach*	USA
	P. Haasen*	Germany
	A. K. Head*	Australia
	A. Kochendoerfer*	Germany
	R. W. Nichols*	UK
	J. L. Swedlow*	USA
	M. L. Williams	USA
	S. N. Zhurkov*	Russia

*Deceased

Table 2 PAST PRESIDENTS

T. Yokobori	Chairman, International Provisional Committee Sept 1965-Apr. 1969 (Sendai-Brighton)
T. Yokobori	Apr. 1969-Apr. 1973 (Brighton-Munich)
B. L. Averbach*	Apr. 1973-Jun. 1977 (Munich-Waterloo)
R. W. Nichols*	Jun. 1977-Apr. 1981 (Waterloo-Cannes)
D. M. R. Taplin	Apr. 1981-Dec. 1984 (Cannes-New Delhi)
D. Francois	Dec. 1984-March 1989 (New Delhi-Houston)
P. Rama Rao	March 1989-Jun. 1993 (Houston-Kiev)
J. F. Knott	Jun. 1993-Apr. 1997 (Kiev-Sydney)
R. O. Ritchie	Apr. 1997-Dec. 2001 (Sydney-Honolulu)
Y-W. Mai	Dec. 2001-March 2005 (Honolulu-Turin)
K.Ravi-Chandar	March 2005-July 2009 (Turin-Ottawa)

*Deceased

Table 4 ICF EXECUTIVE MEMBERS (2009-2013)

Founder President	T. Yokobori	Japan
President	Al. Carpinteri	Italy
Vice-presidents	S.-W. Yu	China
	M. Elboujdaini	Canada
	A. Saxena	USA
Directors	E. E. Gdoutos	Greece
	C. A. Volkert	Germany
	R. Goldstein	Russia
	T. Y. Zhang	Hong Kong, China
	M. J. Hoffman	Australia
	D. M. R. Taplin#	UK
Secretary-General	A. T Yokobori, Jr.	Japan
Founder Members	B. L. Averbach*	USA
	P. Haasen*	Germany
	A. K. Head*	Australia
	A. Kochendoerfer*	Germany
	R. W. Nichols*	UK
	J. L. Swedlow*	USA
	M. L. Williams	USA
	S. N. Zhurkov*	Russia

#The Treasurer has acted as *de facto* CEO (Chief Executive Officer) of ICF for several quadrennia, ratified for the 2009-2013 quadrennium by ICF President Professor Alberto Carpinteri and ICF Founder President Emeritus Professor Takeo Yokobori.

Table 5 Quadrennial Conference ICF X Chairman and
The International Congress on Fracture President

Quadrennial Conference	Location	Date	Organizing Chairman	President
ICF-1	Sendai (Japan)	12-17 Sept 1965	T. Yokobori	T. Yokobori (Sept 1965-Apr. 69)
ICF-2	Brighton (UK)	13-18 Apr. 1969	R.W.Nichols	T Yokobori (Apr. 1969-Apr. 73)
ICF-3	Munich (Germany)	8-13 Apr. 1973	A.Kochendoerfer	B.L.Averbach (Apr. 1973-Jun 77)
ICF-4	Waterloo (Canada)	19-24 Jun 1977	D.M.R.Taplin	R.W.Nichols (Jun 1977-Apr. 81)
ICF-5	Cannes (France)	29 Mar. -3 Apr. 1981	D.Francois	D.M.R. Taplin (Apr. 1981-Dec. 84)
ICF-6	New Delhi (India)	4-10 Dec. 1984	P.Rama Rao	D.Francois (Dec. 1984-Mar. 89)
ICF-7	Houston (USA)	20-24 Mar. 1989	K.S.Salama	P.Rama Rao (Mar. 1989-Jun 93)
ICF-8	Kiev (Ukraine)	8-14 Jun 1993	V.V.Panasyuk	J.F.Knott (Jun 1993-Apr. 97)
ICF-9	Sydney (Australia)	1-5 Apr. 1977	Co-chairs B.L.Karihaloo Y. W. Mai	R.O.Ritchie (Apr. 1997-Dec. 2001)
ICF-10	Honolulu (USA)	2-6 Dec. 2001	T. Kishi Co-chairs R. O. Ritchie K.Ravi-Chander A. T Yokobori, Jr.	Y-W.Mai (Dec. 2001-05)
ICF-11	Turin (Italy)	20-25 Mar. 2005	Al.Capinteri	K.Ravi-Chandar (Mar. 2005-)
ICF-12	Ottawa (Canada)	12-17 July, 2009	Mimoun Elboujdaini Co-chairs Bill Tyson Prakash Patnaik	