

## INTERNATIONAL INCE

### MINUTES OF THE GENERAL ASSEMBLY SUNDAY, 2002 AUGUST 18 DEARBORN, MI, USA

1. **Opening:** President T. Kihlman opened the General Assembly meeting of the International Institute of Noise Control Engineering (I-INCE) at 14.00 on Sunday, 2002 August 18.

2. **Roll Call:**

*Present:*

Australia:	Australian Acoustical Society
Belgium:	Belgische Akoestische Vereniging
Brazil:	Sociedade Brasileira de Acustica
Canada	Canadian Acoustical Association.
Czech Republic:	Czech Acoustical Society
Denmark:	Danish Acoustical Society
Germany	NALS im DIN und VDI
Germany:	Deutsche Gesellschaft für Akustik
Hungary:	Acoustical Commission of the Hungarian Academy of Sciences
Hungary	OPAKFI
Italy:	Associazione Italiana di Acustica
Japan:	INCE/Japan
Japan:	Acoustical Society of Japan
Korea:	Acoustical Society. of Korea
Korea:	Korean Society for Noise and Vibration Engineering
Netherlands:	Nederlands Akoestisch Genootschap
New Zealand:	New Zealand Acoustical Society
Spain:	Sociedad Espanola de Acustica
Turkey:	Turkish Acoustical Society
United Kingdom:	Institute of Acoustics
United States:	Acoustical Society of America
United States:	Institute of Noise Control Engineering of the USA

*Absent:*

Austria	Österreichische Arbeitsring für Lärmbekämpfung
China	Acoustical Society of China
Finland	Acoustical Society of Finland
France	Societe Francaise d' Acoustique
Greece	Hellenic Acoustical Society
Hong Kong:	Hong Kong Institute of Acoustics
Lithuania:	Lithuanian Acoustical Society
Mexico:	Instituto Mexicana de Acustica
Norway:	Acoustical Society of Norway
Poland:	Committee on Acoustics - Polish Academy of Sciences
Portugal:	Sociedade Portuguesa de Acustica

Romania	Academia Romana Comisia d'Acoustica
Singapore:	The Environmental Engineering. Society of Singapore
Slovakia:	Slovak Acoustical Society
Slovenia:	Slovenian Acoustical Society
South Africa:	South African Acoustics Inst.
Sweden:	Swedish Acoustical Society
Switzerland:	Schweizerische Gesellschaft für Akustik

### 3. Agenda:

One addition was made to item 8 of the agenda. The revised, approved agenda follows:

#### *Agenda*

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1. *Opening of the meeting by the President.*
2. *Roll call of delegates.*
3. *Adoption of the Agenda.*
4. *Approval of the Minutes of the Twenty-seventh Meeting held in The Hague, The Netherlands, 2001 August 27. (The Minutes will be distributed to the Member Societies under separate cover within the next several weeks.)*
5. *Report of the President.*  
*(includes report of the Nominating Committee).*
6. *Report of the Secretary-General on the affairs of I-INCE.*
  - *Report of the Secretariat*
  - *Report on the I-INCE web site*
  - *Matters relating to I-INCE membership*
  - *Petitions for change in category status (if any).*
7. *Report of the Treasurer of I-INCE*
  - *review of payments by Member Societies.*
  - *review of the audited account for fiscal year 2001.*
  - *review of the budget for 2002.*
  - *consideration of preliminary budget for 2003.*
8. *Approval of I-INCE Rules.*
  - *Part 5 of the I-INCE Rules deals with the Congress Evaluation Committee*
  - *Part 6 of the I-INCE Rules deals with the establishment of I-INCE Technical Sections*
9. *Membership of the Congress Selection Committee (CSC).*
  - *According to the procedures of the CSC (I-INCE Rules, Part 3) as posted on the web on 2000.01.23, the General Assembly shall appoint three members who shall serve for a three-year term; nominations shall be called for under this item of the agenda.*
10. *Finances of I-INCE.*
  - *Several matters relating to future financing of the Institute will be discussed.*
11. *Report on planning for INTER-NOISE 2003 (Jeju Island, South Korea) and a report of the Next Congress Planning Committee (NCPC).*
  - *A representative of the organizing committee will report on progress to date.*

12. Report on planning for INTER-NOISE 2004 (Prague, Czech Republic).  
- A representative of the organizing committee will report on progress to date.

13. Report on status of current I-INCE technical initiatives.

14. Other business.

15. Closing of the meeting

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**4. Minutes:**

The Minutes of the 27<sup>th</sup> meeting of the General Assembly meeting were approved without discussion.

**5. Report of the President:**

President Kihlman reported as follows:

- The affairs of the Institute are progressing well.
- INTER-NOISE 2002 in Dearborn promises to be an excellent congress.
- Planning for INTER-NOISE 2003 and 2004 appeared to be progressing well.
- INTER-NOISE 2005 will be held in Rio de Janeiro in 2005 August
- INTER-NOISE 2006 will be held in Honolulu, Hawaii, USA in 2006 December
- The following were elected as new officers of I-INCE at the Board of Directors meeting:

VP Technical Activities	A. Marsh	2003/01-2005/12
VP Development	G. Daigle	2003/01-2005/12
VP Publications & Editor-in-Chief	G. Maling	2003/01-2003/12
VP Asia-Pacific	M. Koyasu	2003/01-2005/12
VP Europe-Africa	B. Berry	2003/01-2005/12
- Raj Singh will join the I-INCE Board of Directors after the INTER-NOISE 2002 congress. Jean Tourret, Per Brüel, and Tony Embleton were elected Distinguished Board Members.
- In response to a question from J. Scheuren, the President reported that the 2007 INTER-NOISE Congress will be in the Europe/Africa region. The 2008 Congress will be held in the Asia-Pacific region. The region for the 2009 Congress is under consideration by the Board of Directors.

**6. Report of the Secretary General:**

***I-INCE Secretariat***

The I-INCE Secretariat is now well established at Purdue University. E-mail traffic has been increasing and the staff is trained and experienced in routing matters.

***I-INCE web site***

A new I-INCE web site has been established. The Secretary-General is the Webmaster and is responsible for development of content. The National Research Council of Canada, through G. Daigle, is the host for the web site. The address of the web site is ***www.i-ince.org***.

***Member Society Applications***

- There have been several applications for membership in I-INCE. However, the Board of

Directors tabled each request pending resolution of open issues.

- There were no requests for change of the status of a Member Society.

#### 7. **Report of the Treasurer:**

The supporting data for the report of the treasurer is posted on the I-INCE web site at [www.i-ince.org](http://www.i-ince.org).

**Payment of Dues.** The Treasurer presented the current status of payment of dues. The dues report was typical of mid-year status. There did not appear to be any significant problems.

**Financial Report.** The financial report for the year ending 2001 December 31 was presented. The balance in the I-INCE account, as of 2001 December 31, was 86,921.37 euros.

**Budget 2002.** The draft I-INCE budget for the year from 2002 January 01 to 2003 December 31 was presented. Total budgeted income for the year was 19,230.00 euros. Total budgeted expenses for year 2002 were 20,813.80 euros.

**Estimated Budget 2003.** A draft I-INCE budget for the 2003 year from January 01 to December 31 was presented. Estimated income will be approximately 19,230.00 euros. Estimated expenses will be approximately 17,800.00 euros.

#### 8. **Approval of I-INCE Rules**

##### ***I-INCE Rules Part 5, The Congress Evaluation Committee***

Part 5 of the Rules was approved at the 27<sup>th</sup> meeting of the Board of Directors subject to an evaluation by an ad hoc committee for the INTER-NOISE 2001 Congress. An evaluation report from the Congress Evaluation Committee (CEC) is to consist of a section with statistical information about the Congress and a narrative section summarizing how well the Congress was run. Part 5 of the Rules specifies that the CEC is to meet on the last day of the Congress. Based on the experience of the ad hoc committee, several changes were made to Part 5. Since statistical data are not available on the last day of the Congress and the participants of the CEC are generally busy, Part 5 was modified to allow the CEC to conduct its business by e-mail. Also, a task was added to require the Congress President to write a report of the Congress for publication in *NNI*. An amended version of Part 5 was approved by the Board of Directors for presentation to the General Assembly. The amended Part 5 of the Rules of the I-INCE was approved by the General Assembly. The text of Part 5 is given in Attachment 1.

##### ***I-INCE Rules Part 6, Technical Sections***

Part 6 of the I-INCE Rules was discussed at both the 27<sup>th</sup> and 28<sup>th</sup> meetings of the Board of Directors. The purpose of Part 6 is to establish Technical Sections that will serve as a framework for technical session organization at the Congresses and other activities as discussed in the text of Part 6. A discussion ensued about the difference between the Technical Sections and the Technical Study Groups (TSG). A TSG is formed based on a proposal to generate a report and include experts identified by the Member Societies. In contrast, Technical Sections have a more general purpose and will be composed of individuals

who will volunteer on their own initiative. Part 6 was approved by the General Assembly. Part 6 of the I-INCE Rules is given in Attachment 2.

A discussion ensued about initiation of the Technical Sections at the INTER-NOISE 2002 Congress. Formation meetings were scheduled by the Board of Directors to occur on Monday and Tuesday at the noon breaks. Interim Chairs were appointed to conduct these meetings and discuss the formation of the Technical Sections. It was hoped that the initial meetings of the Technical Sections could be scheduled for the INTER-NOISE 2003 Congress with formal prior approval by the General Assembly.

#### **9. Congress Selection Committee Election**

The terms of appointment of Nicole Porter, George Maling, and Yann-Han Kim on the Congress Selection Committee (CSC) expire in 2002. Nominations were sought from the floor of the General Assembly. Nicole Porter and Paul Schomer were nominated for three-year terms (2003-2005). Both were elected unanimously. An additional nomination was sought from the Asia-Pacific region. It was agreed that the Korean Member Societies would recommend a CSC member for election within one month of the meeting and that the selection of the candidate would be confirmed by e-mail ballot of the Board of Directors.

#### **10. Finances of I-INCE**

##### ***Sustaining Members***

There are currently only five Sustaining Members of I-INCE. A discussion ensued about recruiting additional members, the benefits that are offered, and names for possible Sustaining Members. A committee of the Board of Directors will take these suggestions and work toward increasing the number of Sustaining Members and the associated income to I-INCE.

##### ***NNI***

The financial situation of *NNI* was discussed. Past support for *NNI* has been approximately 68,000 USD. Income from non-INCE/USA sources are I-INCE 7800 USD, INTER-NOISE 2002 13,000 USD, and advertising 25,000 USD. The balance of approximately 22,000 USD has been contributed by INCE/USA. INCE/USA has traditionally budgeted 14 USD per Member and Associate Member for a total contribution of approximately 14,000 USD. Thus, INCE/USA contributions are significantly higher than budgeted. Using a similar plan in 2003 it was projected that advertising income will be reduced and composition charges at the current publish will increase significantly.

George Maling, Managing Editor of *NNI*, proposed an alternative plan to INCE/USA for 2003. A different publisher would be selected to reduce costs; a different advertising sales approach would be used to try to maintain advertising income as high as possible, while keeping most editorial details of the magazine the same.

For 2004 George Maling recommended that more extensive changes be made including changes in the editorial staff, content, format, and budget. A joint INCE/USA and I-INCE committee has been appointed to consider the future direction of *NNI* and propose a plan to

the two Boards of Directors.

#### **11. INTER-NOISE 2003**

A presentation was given about the venue, technical program, and travel arrangements for INTER-NOISE 2003. The Congress will be held 2003 August 25 to 28 at the International Conference Center on Jeju Island, South Korea. The web site of the congress is [www.internoise2003.com](http://www.internoise2003.com)

#### **12. INTER-NOISE 2004**

A presentation was given about the planning for INTER-NOISE 2004. The Congress will be held 2004 August 22-26 on the campus of the Czech Technical University in Prague, Czech Republic. The 1<sup>st</sup> Announcement of the Congress was distributed. The web site for the congress was expected to be operational by fall 2002 at [www.internoise2004.cz](http://www.internoise2004.cz).

#### **13. Technical Initiatives**

##### ***TSG 6 Environmental Noise Impact Assessment***

Gilles Daigle, the Vice President for Technical Initiatives, and Larry Finegold, the proposed convener of TSG 6, developed a proposed scope for the Technical Study Group initiative tentatively called *Environmental Noise Impact Assessment*. The Board of Directors will review the proposed scope. The approved scope then will be distributed to the Member Societies within the next few months for their review and approval. The Member Societies also will be asked to confirm or change the membership originally proposed for TSG 6 or to add new members to the Group if no member was proposed originally. Subsequently, the scope and membership list for TSG 6 will be reviewed by the Board of Directors and forwarded to the General Assembly for consideration at the 2003 annual meeting in South Korea.

##### ***2002 Reports for TSG 1, TSG 2, TSG 3, TSG 4, and TSG 5***

The 2002 reports for the five active Technical Study Groups are posted on the I-INCE web site at [www.i-ince.org](http://www.i-ince.org). Written versions of the reports are available from the Secretary General or the TSG conveners, if desired.

No final reports from the TSG's were expected before the INTER-NOISE 2003 Congress.

No new Technical Study Groups were planned.

#### **14. Other Business**

No other business was proposed from the floor.

#### **15. Closing of the Meeting**

President Kihlman closed the 28<sup>th</sup> meeting of the I-INCE General Assembly at 16.40.

Respectfully submitted,

Robert J. Bernhard  
Secretary General

## **Attachment 1**

### **RULES OF THE INTERNATIONAL INSTITUTE OF NOISE CONTROL ENGINEERING (I-INCE)**

#### **Part 5: I-INCE CONGRESS EVALUATION COMMITTEE**

##### **Article 1. ESTABLISHMENT**

The Congress Evaluation Committee (CEC) was established as a standing committee of the I-INCE General Assembly at its meeting in Dearborn, Michigan, USA, 2002 August 18. The CEC for a current-year INTER-NOISE Congress is charged with providing a report with a frank and comprehensive assessment of that Congress.

##### **Article 2. MEMBERS**

Members of the CEC are individuals who are interested in assisting in the evaluation of the INTER-NOISE Congress they are attending. Each member of the CEC shall be able to send and receive electronic mail (e-mail).

The CEC shall have at least three, but no more than seven members. Each of the three I-INCE geographical regions of the world shall be represented by at least one member of the CEC. The I-INCE geographical regions are Europe-Africa, Pan-America, and Asia-Pacific.

The I-INCE Member Societies and the I-INCE Board of Directors may nominate candidates for membership on the CEC. The nominees preferably shall have recent experience related to Congress planning and management. New members shall be appointed during the annual meeting of the General Assembly in the year of the current-year INTER-NOISE Congress. Service as an appointed member of the CEC is contingent upon the I-INCE dues of the Member Society (to which the member belongs) being current, as certified by the I-INCE Treasurer.

##### **Article 3. OFFICERS**

The officers of the CEC are the Chairman, who is appointed by the I-INCE President from among the members nominated, and any other officers that the Chairman may wish to appoint.

##### **Article 4. TERM OF SERVICE**

The term of service is one year for the Chairman and the other members of the CEC. The term may be extended by action of the General Assembly. The duties of the Chairman and the members of the CEC commence immediately upon the confirmation of appointment by the General Assembly.

##### **Article 5. EVALUATION REPORT**

The principal task of the CEC is to prepare a detailed evaluation report of the current-year INTER-NOISE Congress that shall include a statistical analysis section and a narrative section. To the final copy of the evaluation report shall be appended the Congress President's report on the Congress that should be scheduled to appear in the next issue of *Noise/News International* published following the Congress.

The statistical analysis section of the report shall be provided by the Congress President within 30 days of the close of the Congress, and shall include a table of detailed information concerning the number of attendees, the technical program, the meeting facilities used, the proceedings published, the exhibition, the program for accompanying persons, and other quantitative data related to the Congress.

The narrative section of the report shall assess the efficiency of the operation of the Congress Secretariat, discuss practical problems that occurred during the planning and execution of the Congress, determine how effective the I-INCE Instructions were in guiding the organization of the Congress and the need for changes to the Instructions, identify errors and overlooked items in the planning and execution of the Congress, and make recommendations, as needed, for changes that should be implemented for future INTER-NOISE Congresses. Such recommendations may involve the maximum number of parallel sessions, the type of structured sessions, the number and type of poster sessions, and the preparation of electronic versions of Congress proceedings. In short, the narrative section summarizes what worked well during the Congress as well as those features that need to be improved in the future.

The report shall also recognize outstanding accomplishments of the Organizing Committee that delivered the current-year Congress to the participants. This recognition should include recommendations for actions or precedents that worked well and should be emulated by the Organizing Committees for future INTER-NOISE Congresses.

**Article 6. ANNUAL BUSINESS**

The Congress Evaluation Committee may meet once a year on the final day of the current-year Congress, following approval of the membership by the General Assembly, subject to the call of the Chair. If a suitable time and place for the meeting cannot be found on the final day of the Congress, the business of the committee may be conducted by e-mail.

**Article 7. BUSINESS TO BE CONDUCTED**

The data to be included in the statistical analysis section are to be provided by the Congress President within 30 days of the close of the Congress. A representative of the Organizing Committee may be assigned by the Congress President to assist in this task. The principal task of the members of the CSC is to provide commentary for the narrative section of the evaluation report. A draft of the evaluation report should be prepared and circulated by the Chair to the members of the CEC within 45 days after the close of the current-year INTER-NOISE Congress.

**Article 8. PRELIMINARY REPORT**

Because the CEC meets during a current-year INTER-NOISE Congress, it will be very helpful to the Next Congress Planning Committee (NCPC) to have the benefit of the evaluation of the current-year Congress. A preliminary draft of the CEC report shall be furnished to the Chair of the NCPC within 90 days after the close of the current-year Congress.

**Article 9. FINAL REPORT**

The work of the CEC for the current-year Congress shall be complete upon presentation of its written report to the I-INCE Board of Directors and General Assembly. The presentations shall take place at the Board of Directors and General Assembly meetings in the year after the current-year Congress. The written version of the report shall be made available to Board of Directors members at least 30 days in advance of the Board meeting. Unless requested otherwise by the General Assembly, the members of that CEC are discharged upon presentation of the report.

**NOTE:**

Part 5 of the I-INCE Rules was approved by the Board of Directors at a meeting in The Hague, The Netherlands, on 2001 August 26.

2002.08.13



## **Attachment 2**

### **RULES OF THE INTERNATIONAL INSTITUTE OF NOISE CONTROL ENGINEERING (I-INCE)**

#### **Part 6: I-INCE TECHNICAL SECTIONS**

##### **Article 1. ESTABLISHMENT**

At its meeting in Dearborn, Michigan, USA on 2002 August 18, the I-INCE General Assembly authorized the establishment of five I-INCE Technical Sections. The Technical Sections will provide a focus within the broad field of noise control engineering for the common technical interests of participants at INTER-NOISE Congresses.

##### **Article 2. CONCEPT**

The Board of Directors and the General Assembly of I-INCE recognized that the INTER-NOISE Congresses have grown to such an extent that the organizers of a Congress need a broad base of support from members of the noise control engineering profession to maintain the depth and quality of the Congresses. To this end, it was decided that I-INCE needed to create a technical structure consisting of Technical Sections and within the Sections certain Focus Groups as required. The scopes of these I-INCE organizations shall cover all aspects of the broad field of noise control engineering. Any person interested in a technical area within the I-INCE field of interest may participate in the activities of the Technical Sections and their related Focus Groups.

##### **Article 3. TECHNICAL FIELDS REPRESENTED**

Individuals who participate in INTER-NOISE Congresses have professional backgrounds in many professional disciplines including: acoustics, engineering (for example, acoustical, electrical, mechanical, civil, aeronautical, and architectural), physical science (for example, physics and mathematics), life science (for example, audiology, biology, psychology, physiology, sociology and hearing science), architecture, information technology, signal processing, environmental health, medicine, law, industrial hygiene, education, and government.

##### **Article 4. I-INCE FIELD OF INTEREST**

The I-INCE field of interest is primarily related to unwanted sounds and the vibrations that produce such sounds, including the applicable engineering, scientific, and socio-economic aspects. A description of the I-INCE field of interest is given in Annex A. The I-INCE Classification of Subjects (see Annex B) categorizes the many topics that lie within the I-INCE field of interest.

##### **Article 5. TECHNICAL SECTIONS**

Five Technical Sections may be established with scopes based on the technical areas covered by the I-INCE Classification of Subjects as follows:

- Technical Section 1: Emission and Noise Control Elements (Subject Classifications 10 to 39)
- Technical Section 2: Vibration and Shock (Subject Classifications 40 to 49)
- Technical Section 3: Immission (Subject Classifications 50 to 69)
- Technical Section 4: Instruments and Analysis (Subject Classifications 70 to 79)
- Technical Section 5: Requirements and Policies (Subject Classifications 80 to 89)

Technical Section 1 covers subjects related to physical means for controlling airborne noise and is of interest to engineers and others working in the physical sciences.

Technical Section 2 covers subjects that relate to physical means for controlling structure-borne vibrations and is of interest to engineers and others working in the physical sciences.

Technical Section 3 covers subjects that relate to the receivers of sounds and situations with multiple sound sources. Activities of this Section are of interest to engineers, social and life scientists, and others concerned with the causes and effects of noise immissions.

Technical Section 4 covers subjects related to instruments that measure sounds and vibrations, measurement techniques, and analysis of the results of the measurements, as well as analytical methods and modeling. Activities of this Section are of interest to those concerned with techniques for the measurement or prediction of noise.

Technical Section 5 covers requirements and policies related to the control of noise and vibration. Activities of this Section are of interest to social scientists, representatives of government agencies, and others who are concerned with setting practical limits on exposure to noise.

#### **Article 6. ORGANIZATIONAL MEETING OF SECTION**

As soon as practical after the approval of these Rules, the Technical Sections shall each hold an organizational meeting during an INTER-NOISE Congress to initiate work on the tasks authorized by the Rules of I-INCE. The organizational meetings shall be widely publicized in advance so that those Congress participants with technical interests in the activities of the Sections will have the opportunity to attend. At an organizational meeting, those interested in participating in the activities to be undertaken by the Section will be asked to sign a petition to the I-INCE General Assembly confirming the establishment of the particular Technical Section that the General Assembly has authorized. At least ten signatures are required. During an organizational meeting, preliminary decisions will be made concerning the tasks that the Technical Section will undertake.

#### **Article 7. AFFILIATE STATUS**

Individuals who wish to participate in the activities of a Technical Section shall be identified as *Affiliates* of that Section. An individual is not required to be a member of an I-INCE Member Society in order to participate in the activities of a Technical Section, but shall be a registered attendee at one or more INTER-NOISE Congresses. An individual may Affiliate with one, or at most two, of the Technical Sections. If an individual is interested in affiliating with more than two of the five Technical Sections, or has a broad, general interest in the field of noise control engineering, the individual may be enrolled as an Affiliate-at-Large, and may participate in the activities of any or all of the Technical Sections and be listed on the rolls of those Sections. An Affiliate participates in the activities of a Technical Section as an individual, and not as a representative of an I-INCE Member Society or other organization.

#### **Article 8. FOCUS GROUPS**

A Technical Section may establish one or more Focus Groups. Each Focus Group shall concentrate on one, or at most a few, specialized topics within the scope of the Technical Section. With the approval of a majority of the Affiliates of a Technical Section present and voting at a Section meeting, a Focus Group may be formed upon the initiative of individuals who have a mutual interest in a new or especially active technical subject for which the scope is narrower than the scope of the Technical Section. A Focus Group may be disbanded by the Technical Section when the technology is considered to be mature or of little future interest to the members of the Section.

**NOTE:** Examples of possible topics for Focus Groups are: active noise control, noise legislation of the European Union, noise in neighboring residential areas from standby or peaker generators of electric power, and low-frequency noise from the operation of high-speed trains.

#### **Article 9. ACTIVITIES OF TECHNICAL SECTIONS**

Technical Sections shall provide continuity of interest in each category of the I-INCE Classification of Subjects. The activities of the Technical Sections include, but are not limited to, the following:

- Organize Focus Groups and support their activities
- Report on the activities of their Focus Groups to the General Assembly
- Propose special technical sessions and symposia to the I-INCE Next Congress Planning Committee; the proposals should be accompanied by a proposal for the names of the organizer and the chair of the special session or symposium

- Maintain interest in the vision and mission of I-INCE through the development of structured workshops and discussion groups that would be scheduled to occur at an INTER-NOISE Congress or I-INCE Symposium
- Prepare detailed proposals to the I-INCE Board for future I-INCE Symposia
- Prepare detailed proposals to the General Assembly for new technical initiatives that could lead to the establishment of new Technical Study Groups; the proposals should be accompanied by a proposed scope of work, estimated time from start to completion, and a proposal for the name of the person who is willing to act as the Chair for the technical initiative
- Periodically review the I-INCE Classification of Subjects and recommend changes to the I-INCE Board
- Provide the Managing Editor of *Noise/News International* with material on topics or items of interest
- Provide the I-INCE President with advice and recommendations whereby I-INCE can help meet the needs of professionals in the I-INCE field of interest

#### **Article 10. MEETINGS OF TECHNICAL SECTIONS**

At the annual INTER-NOISE Congress, the Technical Sections shall each hold a meeting to take action on the tasks that the Section has decided to undertake. These meetings shall be open to all Affiliates of the Section, as well as other individuals. Approval of proposals for actions by a Technical Section shall require at least a majority of the Affiliates in attendance and voting. In the intervals between annual meetings, the work of the Technical Sections shall be carried on by electronic communications.

#### **Article 11. ACTIVITIES OF FOCUS GROUPS**

The activities of a Focus Group are similar to those of a Technical Section, but are limited to a narrower subject area. A Focus Group shall have great latitude in the manner in which it operates, and may meet during, before, or after an INTER-NOISE Congress. It is expected that much of its work will be carried out by means of electronic communications. Participants in the activities of a Focus Group are limited to Affiliates of the Technical Section sponsoring the Focus Group.

#### **Article 12. CHAIRS**

The Chair of a Technical Section shall be an ex-officio member of the General Assembly and shall be appointed by the I-INCE Board of Directors for a term of three years that may be renewed. The Chair shall report to the Board through the Vice President for Technical Activities who is responsible for bringing recommendations for Chair appointments to the Board. As far as possible, the Chair should attempt to establish a balance in Section participants among those active from the three I-INCE geographic areas of the world, Europe-Africa, Pan America, and Asia-Pacific. The Chair of a Technical Section shall submit a brief written report on activity and progress of the Section at each meeting of the I-INCE General Assembly. The written report may be supplemented by an oral presentation. The I-INCE Board of Directors shall appoint the Chair of a Focus Group for a specific term that may be renewed. The Chair of each Focus Group shall report on the activity and progress of the Group to the I-INCE General Assembly through the Chair of the respective Technical Section. The Chairs of Technical Sections and Focus Groups shall maintain rosters of Affiliates associated with their Sections and Groups that include e-mail addresses.

#### **Article 13. BENEFITS TO INDIVIDUALS**

In addition to participation in the technical activities to be undertaken by the I-INCE Technical Sections and the I-INCE Focus Groups, individuals through their affiliation with an I-INCE Technical Section represent and foster one of the subfields within the broad field of interest of I-INCE. The Sections and Groups provide an important channel of communication between individuals active in these subfields and the I-INCE General Assembly and the I-INCE Board of Directors. A listing of the Affiliates in an I-INCE Register is a possible future benefit that may be made available.

#### **NOTE:**

A preliminary version of Part 6 of the I-INCE Rules was discussed and approved at a meeting of the Board of Directors in Den Haag, The Netherlands, on 2001 August 26.

## **ANNEX A. I-INCE FIELD OF INTEREST**

The primary focus of I-INCE is on unwanted sounds and on vibrations producing such sounds. The field of interest of I-INCE includes both engineering and scientific aspects of this primary focus. *Engineering aspects* involve the application of physical means to analyze and optimize the levels of noise and vibration produced by structures, machines, products, systems, and processes by controlling the generation, transmission, and radiation of fluidborne sound and solidborne vibration. *Scientific and socio-economic aspects* relate the effects of noise and vibration on individuals and communities to the optimization of the acoustical climate for human activities. The study of these relations involves psychological and physiological acoustics, social and economic studies of the response of people to sound and vibration, as well as cost-benefit analyses of technical options to control noise and the quality of sounds. Included within the I-INCE field of interest are international standards, health and safety regulations, ordinances, and governmental policies including those related to land-use planning. The I-INCE Classification of Subjects categorizes the many topics that lie within the I-INCE field of interest (see Annex B).

## **ANNEX B. I-INCE CLASSIFICATION OF SUBJECTS**

### **Brief Summary of the I-INCE Subject Classification**

#### GENERAL

- 00 General
- 01 International INCE
- 02 International INCE (continued)
- 03 International INCE (continued)
- 04 International INCE (continued)
- 05 Publications (other than technical articles)
- 06 History and philosophy
- 07 Education
- 08 Noise programs
- 09 Definitions and descriptors

#### EMISSION: NOISE SOURCES (noise generation and control)

- 10 General
- 11 Noise-generating devices (including components and subassemblies)
- 12 Stationary noise sources
- 13 Moving noise sources
- 14 Specialized industrial machinery and equipment

#### PHYSICAL PHENOMENA

- 20 General
- 21 Physical mechanisms of noise generation
- 22 Natural sources of noise
- 23 Propagation, transmission & scattering of sound (general wave equation)
- 24 Sound propagation in the atmosphere
- 25 Sound propagation in enclosed spaces
- 26 Sound propagation in ducts

#### NOISE CONTROL ELEMENTS (for path noise control)

- 30 General
- 31 Barriers and screens, shielding

- 32 Enclosures for noise sources
- 33 Sound isolating elements (including panels, partitions and curtains)
- 34 Filters, mufflers, silencers and resonators (conventional types)
- 35 Absorptive materials
- 36 Hearing protective devices
- 37 Noise attenuation and transmission in ducts
- 38 Special treatments (including active noise control)

#### VIBRATION AND SHOCK: GENERATION, TRANSMISSION, ISOLATION AND REDUCTION

- 40 General
- 41 Characteristics of sources of vibration and shock
- 42 Vibrating surfaces and structures (beams, plates, shells)
- 43 Propagation in structures (solid-borne noise)
- 44 Balancing of rotating and reciprocating machines
- 45 Reduction of impact forces; shock isolation and absorption
- 46 Vibration isolators and attenuators
- 47 Vibration-damping materials and structures
- 48 Vibration generators, shake tables
- 49 Effects of vibration and mechanical shock (on man, on structures)

#### IMMISSION: PHYSICAL ASPECTS OF ENVIRONMENTAL NOISE (multiple sources and multiple paths)

- 50 General
- 51 Building noise control
- 52 Community noise control
- 53 In-plant noise control
- 54 Shipboard and offshore platform noise control
- 55 Outdoor plant noise control design and construction
- 56 Noise surveys

#### IMMISSION: EFFECTS OF NOISE

- 60 General
- 61 Perception of sound
- 62 Physiological effects
- 63 Psychological effects
- 64 Effects of noise on physical structures
- 65 Effects of noise on domesticated and wild animals
- 66 Sociological effects; community reaction to noise
- 67 Economic effects
- 68 Environmental impact statements
- 69 Criteria and rating of noise

#### ANALYSIS

- 70 General
- 71 Instruments for noise and vibration measurements
- 72 Measurement techniques
- 73 Test facilities (design and qualification)
- 74 Signal processing
- 75 Analytical methods
- 76 Modeling, prediction and simulation
- 77 Sampling and quality control procedures
- 78 Audiometry, dosimetry and hearing measurements
- 79 Psychoacoustical evaluations and testing

## REQUIREMENTS

- 80 General
- 81 Standards
- 82 Federal government legislation and regulations
- 83 State and local legislation and regulations
- 84 Other legislation and regulations
- 85 Ordinances, including zoning requirements
- 86 Building codes
- 87 Specifications
- 88 Auditing, enforcement and certification
- 89 Labeling

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