

M Luisa: Después de  
leer los documentos ad-  
junto, me parece que  
nuestra participación  
no cabe en ninguna  
parte, puesto que  
la acción de WCCA se  
circunscribe al área  
de Ingeniería.

Atte PH.

(2)

(3)

Enviado  
Diciembre

PATRICIA HORMANN VILLAGRAN  
Directora de Apoyo Académico  
Vicerrectoría Académica

*Para su conocimiento y  
difusión a la mayor brevedad*

*Atentamente,*

Unesco



PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE  
VICERRECTORIA ACADEMICA  
DIRECCION DE DOCENCIA

Santiago, Marzo 14 de 1986  
DD/183/86

Señora  
María Luisa Arenas  
Directora  
Sistemas de Bibliotecas  
PRESENTE

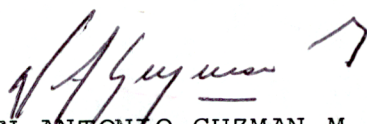
---

Estimada señora Directora:

Adjunto tengo el agrado de enviar a Ud. copia de la información recibida por el Sr. Rector del Consejo de Rectores, en relación a iniciativas desarrolladas por Unesco en materias de Computación.

Ruego difundir esta información entre los profesores de su Unidad que Ud. estime pudiesen estar interesados en la materia.

Sin otro particular, le saluda atentamente,

  
JUAN ANTONIO GUZMAN M.  
DIRECTOR DE DOCENCIA

Incl.: Lo citado

STATUTES  
of  
THE INTERNATIONAL NETWORK OF CENTRES  
FOR COMPUTER APPLICATIONS (INCCA)

1. Identification

- 1.1. The International Network of Centres for Computer Applications in Engineering, hereafter called 'INCCA', is an interconnected system of national educational and research centres of computer technology, unified by the aim of improving international cooperation.
- 1.2. INCCA is a non profit making international scientific association.
- 1.3. INCCA is supported by Unesco and other international, national and regional organizations.

2. Objectives

The principal objectives of INCCA are :

- 2.1. To promote international scientific co-operation and technology transfer in computer applications in engineering, with particular emphasis on the needs of developing countries.
- 2.2. To sensitize national authorities to the importance of computer applications in engineering, mobilizing the national efforts of scientists and engineers to carry out goal-oriented activities.
- 2.3. To stimulate the setting up of collaborative projects involving the Centres and other interested organizations.
- 2.4. To initiate and improve programmes of training on computer applications in engineering for university and industry.
- 2.5. To organize technical and scientific meetings and to disseminate information on computer applications in engineering.

3. Structure

- 3.1. INCCA is an international network of autonomous national educational or research centres dealing with computer applications in engineering.
- 3.2. Any centre which is interested in the development of international co-operation can participate in INCCA's activities subject to the approval of the Scientific Council of INCCA. Any request for participation in INCCA should be sent to Unesco through the National Commission of the respective country.
- 3.3. The governing body of INCCA is its Scientific Council, which shall meet at least once a year.
- 3.4. The Scientific Council of INCCA prepares the recommendations to the Director General of UNESCO concerning general policy and the activities of INCCA. The Scientific Council will discuss and approve the annual programme and annual budget of INCCA.

- 3.5. The Scientific Council of INCCA consists of not more than 8 eminent scientists originating from the centres and representing a balance of INCCA's principal activities and regional distribution.
- 3.6. The members of the first Scientific Council of INCCA will be nominated for a period of 4 years by Unesco. The Scientific Council shall at its first formal meeting establish suitable procedures, including rules for re-election.
- 3.7. The members of the Scientific Council of INCCA participate in its work in their individual capacity.
- 3.8. The Scientific Council elects the Executive Board of INCCA consisting of the President of INCCA, the Vice-President of INCCA (in consultation with UNESCO) and the Chairman of the Scientific Council of INCCA, all for a period of 4 years.

The President of INCCA should be an eminent scientist or manager in computer applications in engineering. The President of INCCA will represent the network to UNESCO and to other international and national organizations and institutions.

The Vice-President of INNCA should be a staff member of UNESCO, with appropriate experience. The Vice-President of INNCA acts on behalf of the President of INCCA in his absence and coordinates INCCA's activities with the execution of UNESCO's programmes.

The Chairman of the Scientific Council of INCCA will preside over the scientific council meetings and will represent it in the period between sessions.

- 3.9. The Chairman of the Scientific Council will be assisted by the Secretariat and the Executive Secretary of INCCA. UNESCO will provide the necessary secretariat services and facilities during the initial period.
- 3.10. The Executive Secretary of INCCA is appointed by the Scientific Council of INCCA.
- 3.11. The Executive Secretary of INCCA :
  - prepares all necessary documents for the sessions of the Scientific Council of INCCA
  - participates in the sessions
  - prepares the reports for the sessions
  - coordinates the execution of recommendations of the Scientific Council
  - informs the centres participating in INCCA on its activities
  - assists in the preparation of scientific and technical reports on INCCA's activities.

#### 4. Activities

- 4.1. In general, the activities of INCCA will be decentralized, conducted by one individual centre or by the joint efforts of several cooperating centres.

.../...

- 4.2. The Scientific Council of INCCA will recommend to the Director General of UNESCO support for those parts of its activities which are appropriate to UNESCO's competence.
- 4.3. Other activities in the framework of INCCA according to the recommendations of the Scientific Council may be undertaken upon request of national, regional and international organizations.
- 4.4. Specialists originating from member states not involved in INCCA may participate in INCCA's activities, subject to the approval of the Scientific Council.

5. Modalities of work

5.1. INCCA operates mainly by :

- organizing postgraduate training and research (training courses, workshops, seminars, conferences, etc.)
- providing specialized computing services through the participating centres
- carrying out joint training and research projects
- exchanging computer programmes, software and training curricula among its members
- organizing exchange of specialists (lecturers, fellowships, travel grants for visiting professors, etc.)
- publishing books and studies and disseminating information on computer applications in engineering sciences via the INCCA newsletter and associated scientific and technical journals

5.2. INCCA encourages the bilateral cooperation between INCCA centres and other institutions, using modern technical means of communication (e.g. electronic mailing).

5.3. Priority will be given to technology transfer in the field of computer applications in engineering (consultancy services, software, training programmes, etc.) for centres in developing countries.

5.4. INCCA will be available to contribute to the implementation of UNESCO's programmes on information technology (such as UNESCO's Intergovernmental Informatics Programme) in the relevant areas of science and technology, and particularly in engineering.

5.5. INCCA, supported by UNESCO, will cooperate with :

- National authorities and institutions
- Relevant organizations of the United Nations system
- Other intergovernmental (international and regional) organizations
- NGO's, including specialized international organizations involved in computer applications (International Federation of Automatic Control - IFAC, International Measurement Confederation - IMEKO, International Federation for Information Processing - IFIP, International Association for Mathematics and Computers in Simulation - IMACS)
- Appropriate enterprises of the productive sector.

6. Finance

6.1. The funds for INCCA activities may be obtained from :

- contributions from participants and users of INCCA's services and facilities
- financing of INCCA's activities by sponsoring organizations
- voluntary contributions from national and regional centres participating in INCCA's activities
- subsidies, donations and grants from national or international institutions and enterprises
- financial support from Unesco in the framework of Unesco's approved regular and participation programmes.

6.2. Contributions to the activities of INCCA may also be in the form of donated services, such as consultants, the use of buildings, laboratories, equipment, software, data bases, library, and other facilities.

7. Modification of the statutes

7.1. These statutes may be modified by the Scientific Council of INCCA.

8. Provisional address :

INTERNATIONAL NETWORK OF CENTRES FOR  
COMPUTER APPLICATIONS (INCCA)  
C/o Division of Technological Research  
and Higher Education (SC/TER)  
UNESCO  
7 Place de Fontenoy  
75700 PARIS  
France

Telex : 270602  
Telephone : 45.68.39.33



united nations educational, scientific and cultural organization  
organisation des nations unies pour l'éducation, la science et la culture

7, place de Fontenoy, 75700 Paris  
1, rue Miollis, 75015 Paris

adresse postale : B.P. 3.07 Paris  
téléphone : national (1) 568.10.00  
international + (33.1) 568.10.00  
télégrammes : Unesco Paris  
téléc : 204461 Paris  
270602 Paris

référence : SC/TER/ERS.85/930

- JAN 1986

Sir(s),

International Network of Centres  
for Computer Applications (INCCA)

Please find attached for your information the following documents approved by the Meeting for the setting-up of the International Network of Centres for Computer Applications (INCCA), held in Barcelona, Spain, 30 September - 1 October, 1985 :

- ... - The Statutes of INCCA;
- ... - The draft of the Programme of INCCA's activities (1986-1987).

1. We kindly ask you to study the draft of the Programme for INCCA's activities and to send us your proposals regarding the participation of your institution in INCCA and in INCCA's activities.

In particular, please let me know if you are able to organize seminars, symposia, training courses, etc., in the area of computer applications in engineering. Please inform us of the budget which is available and any additional support requested from Unesco in order to carry out these activities.

2. We would like to have more information concerning teaching activities and applied research in computer sciences in engineering in your institution, your capacity to give consultancy services and to participate in the publications prepared by INCCA.

3. As decided during the meeting in Barcelona, the Division of Technological Research and Higher Education is arranging for the publishing of the INCCA Journal "Computer Applications in Engineering" (four issues per year in English initially).

..../..

To : The Institutions interested in  
participating in INCCA's activities

SC/TER/ERS.85/930

The main objective of this journal would be to ensure links among centres participating in INCCA, and to inform the international engineering community of INCCA's activities. Basic sections of the journal would be :

- to provide information concerning the state-of-the-art of major scientific and technical problems of computer applications in engineering;
- to publish scientific papers of general interest;
- to provide information on centres participating in INCCA (teaching activities, area of research activities, postgraduate training, organization of seminars, links with industry, assistance to developing countries);
- to inform the readers of major scientific activities (seminars, conferences, colloquia, postgraduate courses organized in the area of computer applications in engineering);
- to review books and other relevant publications of interest to the centres.

Special attention will be given to teaching of computer sciences in engineering schools and computer aided instruction.

4. You are kindly invited to send all available information which you think could be useful to the readers of the journal, also book-reviews, scientific articles, state-of-the-art surveys, etc. We hope that the first edition of the INCCA journal will be available by next Spring.

Thanking you in advance for your prompt collaboration.

Yours faithfully,



G. S. Holister  
Director

Division of Technological Research  
and Higher Education



united nations educational, scientific and cultural organization  
organisation des nations unies pour l'éducation, la science et la culture

7, place de Fontenoy, 75700 Paris  
1, rue Miollis, 75015 Paris

adresse postale : B.P. 3.07 Paris  
téléphone : national (1) 568.10.00  
international + (33.1) 568.10.00  
télégrammes : Unesco Paris  
téléc : 204461 Paris  
270602 Paris

référence : SC/TER/ERS.85/929

- JAN 1986

Sir(s),

International Network of Centres  
for Computer Applications (INCCA)

In accordance with the Programme of the Division of Technological Research and Higher Education, and in line with the recommendations of the Workshop on the Organization of Modelling and Simulation Services in Engineering Education Institutions (21-22 February, 1985, Turin, Italy), a Meeting for the setting-up of the International Network of Centres for Computer Applications (INCCA) was organized, 30 September - 1 October 1985, by the Escola Tecnica Superior d'Enginyers de Camins, Canals i Ports, Universitat Politecnica de Catalunya (Barcelona, Spain).

Please find attached :

- ... 1. The circular letters to the institutions interested in participating in INCCA's activities;
- ... 2. The Statutes of INCCA;
- ... 3. The draft of the Programme of INCCA's activities (1986-1987).

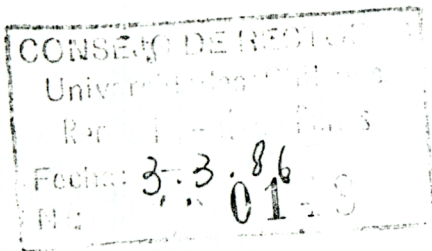
We should be very grateful if you would transmit this information to the appropriate institutions in your country, interested in participating in INCCA's activities.

Yours faithfully,

G. S. Holister  
Director

Division of Technological Research  
and Higher Education

To : National Commissions for Unesco



C.N.CH.UNESCO (ORI) ORD. Nº 09/ 165 /

ANT. : RR.EE.DIMULTI ORD. Nº 01410,  
de 20-ENE-86

MAT. : Red Internacional de Centros para  
Aplicaciones de la Computación  
(INCCA).

SANTIAGO, A. M. 003 MAR 1986

DE : SECRETARIA EJECUTIVA COMISION NACIONAL  
CHILENA DE COOPERACION CON LA UNESCO (S)

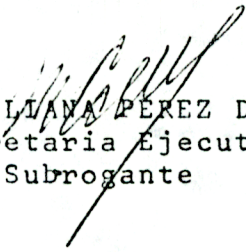
A : SR. SECRETARIO GENERAL DEL CONSEJO DE RECTORES

1. En setiembre-octubre de 1985 se efectuó en Barcelona, España, una reunión para establecer una Red Internacional de Centros para Aplicaciones de la Computación (INCCA), con el patrocinio de la Unesco. Además de aprobar los Estatutos de la Red, se acordó publicar una revista trimestral titulada "Computer Applications in Engineering" que dedicará especial atención a la enseñanza de las ciencias de la computación en las escuelas de ingeniería y a la enseñanza con ayuda de la computación.
2. La Unesco está propiciando que las instituciones nacionales que desarrollan actividades en este campo sean informadas y estimuladas para colaborar en algunas de las formas siguientes:
  - a) estudiar el programa de actividades de la red INCCA y, si estuvieren interesadas, proponer modalidades de participación en ella.
  - b) informar, especialmente, si estarían en condiciones de organizar reuniones o cursos sobre aplicaciones de la computación en ingeniería. Estas actividades podrían contar con ayuda de la Unesco.
  - c. informar sobre actividades de enseñanza, investigación, capacidad de prestar servicios de consultoría, etc. de la institución respectiva.
  - d. colaborar en las publicaciones de la red INCCA.

*Ciruelo*  
*Atte*  
*M*

3. Por lo expuesto, me permito solicitar su cooperación para difundir esta iniciativa de la Unesco entre las universidades miembros de ese Consejo. Para este efecto, adjunto copia de los documentos siguientes:
- Carta UNESCO SC/TER/ERS. 85/929 de enero 1986.
  - Carta UNESCO SC/TER/ERS. 85/930 de enero 1986.
  - Status of the International Network of Centres for Computer Applications (INCCA).
  - International Network of Centres for Computer Applications (INCCA). Programme of activities (1986-1987).

Saluda atte. a Ud.

  
PROF. MARIA ELIANA PEREZ DE MIGUEL  
Secretaria Ejecutiva  
Subrogante

MEPdeM/CLL/mta.

Distribución:

1. C.R. (c/adj.)
2. O.R.I. (Exp.Nº092)
3. C.N.CH.UNESCO

INTERNATIONAL NETWORK OF CENTRES  
FOR COMPUTER APPLICATIONS (INCCA)

Programme of activities (1986-1987)

I. ACTIVITIES

1. Symposia, workshops, conferences

1.1. Organization of an international conference entitled "The Computer in engineering education institutions" in 1987 with the participation of :

- university teachers
- researchers
- representatives of industry

in collaboration with IFAC, IMEKO, IFIP.....

1.2. Meeting of chiefs of Centres participating in INCCA (1987).

1.3. ....

2. Training courses and seminars

2.1. Seminar on computer modelling  
Regional Centre on computer modelling  
Rabat, Morocco

2.2. Seminar on teaching of robotics in engineering schools  
International centre on industrial robotics  
Budapest, Hungary

2.3. Seminar on computer modelling  
Tsinghua University  
China

2.4. Seminar on the teaching of computer-aided design (CAD) in  
engineering schools  
Polytechnical Institute  
Tbilisi, U.S.S.R.

2.5. Course on computer modelling for teachers from African engineering schools (English speaking), organized by the Regional Centre for computer modelling (Rabat, Morocco, 1987).

2.6. Course on industrial automation  
Polytechnic of Turin  
Italy

2.7. Seminar on power electronics  
ENSET  
Tunis, Tunisia

- 2.8. Seminar on the development of finite elements method  
University College of Swansea  
U.K.
- 2.9. Seminar on environmental engineering  
Polytechnic of Padua  
Italy
- 2.10. International Conference on Computational Plasticity  
ETS d'Enginyers de Camins,  
Canals i Ports  
Barcelona, Spain
- 2.11 .....

3. Publications

- 3.1. Publication of 4 issues of the INCCA Journal "Computer Applications in Engineering"
- 3.2. Support for the publication of "Metodos numericos para calculo y disenno en ingenieria"  
ETS d'Enginyers de Camins,  
Canals i Ports  
Barcelona, Spain
- 3.3. Preparation of a study entitled "Teaching of CAD in engineering education institutions"  
Polytechnic of Tbilisi  
U.S.S.R.
- 3.4. Publication of a special issue of CEPES Bulletin "Higher Education in Europe" on "Computers in engineering education institutions" (to be negotiated)
- 3.5. Publication of a study entitled "Training of automation techniques utilizing micro-processors" (in collaboration with IFAC)
- 3.6. Publication of a study "Tendencies in micro-electronic development"  
Cybernetic Institute  
Kiev, U.S.S.R.
- 3.7. ....

4. Research activities

- 4.1. Teaching of robotics in engineering schools  
Centre of Robotics  
Technical University  
Budapest, Hungary

.../...

- 4.2. Teaching of computer-aided design (CAD)  
Centre of CAD  
Polytechnical Institute  
Tbilisi, U.S.S.R.
- 4.3. Teaching of micro-electronics (modular system)  
ENSET  
Tunis, Tunisia
- 4.4. Travel grants to Unesco professors
- 4.5. ....

5. Collaboration with IMEKO, IFAC

- 5.1. Participation of Unesco through INCCA in training activities, organized by IMEKO and IFAC.
- 5.2. Scientific and training courses organized by IMEKO and IFAC for specialists from INCCA's centres.
- 5.3. Joint publications of INCCA, IFAC, IMEKO.
- 5.4. Contribution to the publication "IMEKO VOCABULARY".
- 5.5. Support to the organization of IFAC congress (Munich, 1987).
- 5.6. ....

6. Collaboration with UITA, WFEO, WAITRO

- 6.1. Organization, in collaboration with WAITRO, of a seminar on the impact of the computer on R & D activities.
- 6.2. Creation of a UITA working group on "Computer applications in engineering".
- 6.3. ....

7. Cooperation with UNIDO

- 7.1. Organization of training courses related to UNIDO's projects in the field of system analysis, industrial automation, computer modelling and simulation.  
(To be negotiated with UNIDO).
- 7.2. Computer applications in engineering sciences and possibilities for implementation in developing countries.  
(Study or meeting of experts).
- 7.3. ....

8. Cooperation with European Community

- 8.1. Identification of joint activities in the framework of ESPRIT  
(To be negotiated).

.../...

- 8.2. Identification of joint activities in the framework of Comett.  
(To be negotiated).
- 8.3. Participation in action 2.8.  
(Proposal of Unesco).
- 8.4. ....

9. Cooperation with industry

- 9.1. Elaboration of strategy for cooperation with industry, dealing with the engineering applications of computers.
- 9.2. Negotiations with large companies for organization of joint activities (training courses, seminars, demonstration programmes, etc.).
- 9.3. ....

10. Regional activities

- 10.1. Collaboration with ROST's in the identification of specific regional needs in computer applications in engineering.
- 10.2. Contacts with national authorities of :
  - Japan
  - China
  - India
  - Brazilregarding their participation in INCCA's activities.
- 10.3. Contacts with US universities and colleges for participation in INCCA's activities.
- 10.4. Organization, in collaboration with IMEKO and IFAC, of regional seminars, workshops and training courses.
- 10.5. ....

11. Technician training and re-training

To be discussed

12. Consultancy services

To be negotiated with UNIDO

.../...

II MECHANISM

1. Approval of INCCA's Statutes by UNESCO.
2. Organization of INCCA's Secretariat
  - Nomination of Scientific Council
  - Session of Scientific Council - procedures
  - Election of INCCA President
  - Nomination of Executive Secretary
  - Secretariat services
3. Meeting of chiefs of institutions participating in INCCA (1987) (see 1.2.)
4. Publication of INCCA Journal "Computer Applications in Engineering" (4 issues per year)
5. Establishment of accounting procedures
6. Mechanism of collaboration among the institutions participating in INCCA
7. Mechanism for participation of INCCA in Intergovernmental Programme on Informatics.
8. Cooperation of INCCA with
  - UNIDO
  - EEC
  - UATI, WPEO, WAITRO
  - IFAC, IMEKO, IFIP
  - industry
9. Publishing activities - INCCA's books.