



**CIEAEM**

Commission internationale pour l'étude et  
l'amélioration de l'enseignement des mathématiques

International Commission for the Study and  
Improvement of Mathematics Teaching

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**ICSIMT**

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## 44th International Meeting of the ICSIMT First Announcement: December 1991

The ICSIMT takes pleasure in announcing that the 44th meeting will take place on the campus of the University of Illinois Chicago in Chicago, Illinois, U.S.A., July 27 - Aug 1, 1992. Participants will be accommodated in the new, air-conditioned, student dormitories on campus. The conference fee, including registration, accommodations, breakfast, lunch, proceedings, and excursion will be about US\$275 for early registrants. Participants will be free for dinner to sample the varied cuisine offered by Chicago. There are many opportunities for sightseeing and shopping to provide activities for accompanying persons.

The conference will address the theme:

### **THE STUDENT CONFRONTED BY MATHEMATICS**

The main activity of the conference will take place in small working groups discussing a central theme. The unique blend of teachers, teacher educators and researchers which has been the tradition of the Commission makes these working groups extremely valuable. Short presentations related to the theme are given during the working groups. Plenary sessions set the theme of the conference. The working languages will be French and English. Assistance will be provided to participants not familiar with either language.

The working groups will deal with the following questions:

- 1(a) What is the nature of the knowledge and understanding of mathematics that students have?
- 1(b) What mathematics do we want students to develop?
  
- 2(a) What out-of-school mathematics do students bring to the classroom?
- 2(b) How can we exploit this?
  
- 3(a) What are the obstacles to developing concepts and learning mathematics (language, symbolism, abstraction, formalism, students' and teachers' conception of mathematics)?
- 3(b) How do students develop mathematical concepts and how can this be stimulated?
  
- 4(a) How can students be involved in doing mathematics?
- 4(b) How can this lead to the development of mathematical knowledge?