



www.cfem.asso.fr

• **What is CFEM?**

CFEM is the French sub-commission of ICMI (International Commission on Mathematical Instruction). In order to represent the diversity of the components of mathematics teaching, CFEM federates the main national associations and academic societies regarding mathematics, its teaching and research in mathematical education (ADIREM, APMEP, ARDM, CNFM SMAI, SMF, UPS). It also maintains close relations with the national inspectors. CFEM aims to create links between these components and to encourage common projects. It also is considered by public institutions to officially represent the interests of mathematics teaching.

• **International interface**

Due to its relation with ICMI, CFEM plays an essential role at an international level. In particular it organises the French representation at the *International Congress on Mathematical Education (ICME)* held every four years (ICME10 - July 6-13 2008 - in Monterrey Mexico - <http://icme11.org>). It also contributes to the international studies regularly held by the ICMI. Three studies are in preparation: Study 17: « Digital Technologies and Mathematics Teaching and Learning: Rethinking the Terrain.» - Study 18 : « Statistics Education in School Mathematics: Challenges for Teaching and Teacher Education» - Study 19 : « Proof and Proving in Mathematics Education.»

• **A vocation to federate French culture orientated countries**

In July 2000, world year of mathematics, CFEM organised in Grenoble, the first Congress on Mathematical Education within French speaking countries. The success of this meeting led to the organisation every three years of a French speaking congress, named EMF (*Espace Mathématique Francophone*) recognised as a regional congress by ICMI. After EMF 2003 à Tozeur (Tunisie) et EMF 2006 à Sherbrooke (Québec), EMF2009 ([http://fastef.ucad..sn](http://fastef.ucad.sn)) will be held in May 6 - 10 2009 in Dakar (Senegal).



Association des Professeurs de Mathématiques de l'Enseignement Public

<http://www.apmep.asso.fr>

Les IREM

Instituts de Recherche sur l'Enseignement des Mathématiques

<http://www.univ-irem.fr/>



Société de
Mathématiques
Appliquées et
Industrielles

www.smai.emath.fr



Union des Professeurs de Spéciales

www.ups.prepas.org



Association pour la Recherche en Didactique des Mathématiques

<http://www.ardm.asso.fr/>



Société Mathématique de France

<http://smf.emath.fr>



Association des Professeurs de Mathématiques de l'Enseignement Public

Created in 1910, constituted with volunteers, APMEP:

- is totally independent, financially, politically and regarding trade-unions;
- represents mathematics teachers from nursery school up to university.

APMEP is a space for:

- free speech and confrontation of ideas;
- cooperative self-training actions;
- political propositions regarding mathematics teaching.



Société de Mathématiques Appliquées et Industrielles

www.smai.emath.fr

SMAI was founded in 1983 by a group of prominent French applied mathematicians who had become aware of the specific needs of their discipline and wanted to work for its continuing growth.

Les IREM

Instituts de Recherche sur l'Enseignement des Mathématiques

The Institutes for Research on Mathematical Education (IREM), university institutes, exist since 1970. They combine on the long term teachers from primary, secondary and tertiary levels. **The 28 IREM function through a network**, which allows to articulate the work of about a thousand of teachers, divided among seventeen commissions. They have close relations with 18 IREM abroad. **Their missions is to promote** research works on problems issued from mathematics teaching; In-service mathematics teacher training; Production and diffusion of pedagogical resources



Association pour la Recherche en Didactique des Mathématiques

The association, which is registered in France, regroups French and numerous foreign researchers from all continents interested in the development and improvement of research in didactics of mathematics. ARDM intends especially to:

- promote diffusion and valorisation of research results, French as well as foreign,
- contribute to the development and the discussion of these results through the organisation of three annual sessions of a seminar in Paris and of a biennial summer school (the next will be held in august 2009), as well as through the support of various conferences



Société Mathématique de France

Established in 1872, SMF is one of the oldest mathematical learned societies world-wide. SMF is a state-approved non-profit making association. Its purpose is the advancement and dissemination of pure and applied mathematical studies.

SMF is in charge of the *Centre International de Rencontres Mathématiques* (CIRM) at Luminy and participates in the organisation of a number of national and international conferences and scientific meetings, together with mathematical societies around the world.

SMF is the main editor in France of high-level mathematics books and journals.