

# I U P A C

## Advancing Worldwide Chemistry



The mission of The International Union of Pure and Applied Chemistry (IUPAC) is to advance the worldwide aspects of the chemical sciences and to contribute to the application of chemistry in the service of mankind.

- Promotes norms, values, and ethics of science
- Advocates free exchange of scientific information
- Addresses global issues as a scientific, international, non-governmental, objective body
- Fosters worldwide communication
- Facilitates advancement of research and international agreements

### Major IUPAC Activities

- Development of the Language of Chemistry
  - Nomenclature, Symbols, Terminology
- Standardization of Chemistry Methods
  - Data presentation
  - Study of analytic methods
- Critical Evaluation of Physico-Chemical Data
  - Atomic weights
  - Thermodynamic data
  - Kinetic data
- Data Exchange Standards for Computers and Instruments
- Sponsorship of Conferences
  - Biennial IUPAC Congress (Beijing 2005, Torino 2007)
  - More than 25 specialized symposia each year
- Chemistry Education
- Industrial Safety and Environmental Programs
- CHEMRAWN Conferences addressing chemistry and societal impact

### Affiliate Membership Program

Individuals may become affiliated with IUPAC through the Affiliate Membership Program. Benefits include:

- Subscription to bimonthly magazine, *Chemistry International*
- Discounts on IUPAC books and *Pure and Applied Chemistry*
- Registration discounts for most IUPAC-sponsored conferences
- Access to an international network of chemists

### IUPAC Organization

Divisions and Standing Committees manage IUPAC's scientific work

#### Divisions

- Physical & Biophysical Chemistry
- Inorganic Chemistry
- Organic & Biomolecular Chemistry
- Polymer
- Analytical Chemistry
- Chemistry & the Environment
- Chemistry & Human Health
- Chemical Nomenclature & Structure Representation

#### Standing Committees

- Committee on Chemistry and Industry (COCI)
- Committee on Chemistry Education (CCE)
- CHEMRAWN Committee

### Proposals for Projects

Anyone with a good idea can submit a proposal. IUPAC projects address issues of significance to the global chemistry community, such as:

- Nomenclature, terminology, and symbols
- Validated and compiled data
- Standard methods and procedures
- Education and public understanding of chemistry
- Any subject that requires development of consensus among chemists worldwide

### Publications

#### - *Pure and Applied Chemistry*

IUPAC recommendations and reports, special topic articles, and lectures from symposia.

#### - *Chemistry International*

Bimonthly news magazine

#### - *Book series*, which includes:

- *Compendia of Nomenclature and Terminology*
  - *Chemistry for the 21st Century*
  - *International Thermodynamic Tables of the Fluid State*
  - *Analytical and Physical Chemistry of Environmental Systems*
  - *Solubility Data Series*
- and many more!