

First International Congress of Quantum Chemistry

July 4–10 1973, Menton, France

Organized by the International Academy of Quantum Molecular Sciences this Congress will be held in Menton, in the Palais de l'Europe.

The mornings (9 a.m.–noon) will be devoted to symposia consisting of general presentations followed by large discussions. The following topics have been chosen:

- I. *Methods of Quantum Chemistry*: Löwdin, President (Upsala), Slater (Gainesville), Davidson (Seattle), Kolos (Warsaw).
- II. *Electronic Structure and Conformation of Molecules*: Coulson, President (Oxford), Pople (Pittsburgh), Pullman (Paris).
- III. *General Theory of Chemical Reactivity*: Daudel, President (Paris), Karplus (Harvard), Fukui (Kyoto).
- IV. *Formation and Evolution of Molecular Excited States*: Parr, President (Baltimore), Jortner (Tel-Aviv), Heilbronner (Basel), Robinson (Pasadena).
- V. *Effect of Environment on the Behaviour of Molecules*: Hirschfelder, President (Madison), Buckingham (Cambridge), Sinanoğlu (New Haven), Morokuma (Rochester).

The afternoons (3–7 p.m.) will be reserved for discussions in sections where the participants will be able to present communications. The following topics will be considered:

1. Methods in quantum chemistry. Use of computers.
2. Atomic and molecular spectroscopy.
3. Electronic structures and properties of chemical species (inorganic, organic and coordination chemistry).
4. Chemical reactions. Collisions. Reaction paths. Chemical equilibrium. Catalysis. Application of quantum chemistry in industry.
5. Excitation and relaxation processes. Photochemical reactions. Mass spectroscopy.
6. Quantum biochemistry and quantum pharmacology.
7. Intermolecular forces, role of environment (solvent, lattice, matrix).
8. Quantum chemistry and its relationships with the physics of liquids and solids.

The Executive Committee in charge of the organization of the Congress is formed of Drs. R. Daudel, A. Pullman and B. Pullman. More detailed informations may be obtained, upon request from Mr. Escuillié, Centre de Mécanique Ondulatoire Appliquée, 23, rue du Maroc, F-75019 Paris, France.