

**On behalf of all the participants,
I would like to express our sincere thanks to
Profs. Johan Hofkens and Maarten Roeffaers
and members of local organizing committee.**

Hiroshi MASUHARA

National Chiao Tung University, Taiwan

Co-chair of the 21st ICP in Japan with Prof. Obi

**Congratulations
for great success of the 26th ICP 2013**

So many participants !

Very high quality lectures !

Very interesting topics and presentations !

**Congratulations
for returning of ICP to Belgium after 51 years
later !**

**The 1st ICP meeting in Brussels in 1962.
Confirmed by Profs. Ikuzo Tanaka and Frans C.
De Schryver.**

Mainly on gas phase photochemistry

ICPΦΧΧΙ

Nara, Japan
July 26-31, 2003

The sites of past ICP

- | | |
|--|-----------------------------|
| 1962 Burussels (Belgium) /
Durham, NC (USA) | 1983 College Park, MD (USA) |
| 1963 Rochester, NY (USA) | 1985 Tokyo (Japan) |
| 1965 Tokyo (Japan) | 1987 Budapest (Hungary) |
| 1967 Munich (Germany) | 1989 Cancelled |
| 1969 Yorktown Heights, NY (USA) | 1991 Paris (France) |
| 1971 Bordeaux (France) | 1993 Vancouver (Canada) |
| 1973 Jerusalem (Israel) | 1995 London (UK) |
| 1975 Edmonton (Canada) | 1997 Warsaw (Poland) |
| 1978 Cambridge (UK) | 1999 Durham, NC (USA) |
| 1981 Heraklion (Greece) | 2001 Moscow (Russia) |

E. Fischer, Bescunds?, G. M. Wayne, and T. Foerster in 1962



TOPICS DISCUSSED:

1960's

Photochromism

cis-trans Isomerization

Quantum yields

Triplet excitation

Triplet sensitized reactions

Photochemistry of complex ions

Proton transfer in the excited singlet state

Hydrogen-bonding in the excited singlet state

Spectroscopy of rare-earth chelates

Phosphorescence and delayed fluorescence

Theory of radiationless decay

Photosynthesis

Porphyrins

Chlorophyll

Retinene - rhodopsin

Main Themes and Recent Topics

2003

Molecular and Materials Conversion by Photon: From Molecules to Life and Environment

<Main Themes>

Molecular Excited State Dynamics

Photoreactions

Experimental Methods

Applied Photochemistry

<Topics>

Femtosecond Photoscience

Atoms and Molecules in Intense Light Fields

Photoscience of Materials and Solids

Photochemistry as Nanoscience and Nanotechnology

Phototherapy and Photobiology

Solar Energy Utilization

Atomospheric Environmental Photoscience

TOPICS TO BE COVERED IN THE INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY 2013

- BASIC PHOTOCHEMISTRY (energy and electron transfer, H-bonding, solvation dynamics, aggregates, ...)
- INORGANIC AND THEORETICAL PHOTOCHEMISTRY (qdots, lanthanide spectroscopy, inorganic probes, theory and modeling, ...)
- LABELS (fluorescent proteins, photochromics, photoswitches, novel organic probes, ...)
- NOVEL DEVELOPMENTS IN SPECTROSCOPY AND MICROSCOPY (super resolution microscopy, biomedical microscopy, non-linear spectroscopy/microscopy, correlative microscopy, ...)
- SINGLE MOLECULE SPECTROSCOPY (single molecule biophysics, single molecule (photo)chemistry, ...)
- PHOTOCHEMISTRY IN BIOLOGY (singlet oxygen, phototherapy, biophysics, ...)
- PHOTOCHEMISTRY IN POLYMERS AND MATERIAL SCIENCE (spectroscopy in confined space, polymer (photo)chemistry and spectroscopy, ...)
- PHOTOCHEMISTRY IN SUSTAINABLE TECHNOLOGY (photovoltaics, photocatalysis, green photochemistry, environmental and atmospheric photochemistry, ...)
- PLASMONICS AND PHOTONICS (SERS, photochemistry in intense laser fields, ...)
- ULTRAFAST SPECTROSCOPY (coherent control, femto and attosecond spectroscopy, femtobiospectroscopy, ...)

2013

Gas phase photochemistry, solution photochemistry

kinetics and nature of luminescence (photophysics)

**HOMOGENEOUS
STEADY STATE**

Flash photolysis, time-resolved laser spectroscopy

**TIME-RESOLVED
(1960 ~)**

Photo-catalysis, solid state photochemistry, nanoparticles

Nano-structured materials, plasmonics

**SPACE-RESOLVED
(1990 ~)**

Single molecular spectroscopy

After world war II: Electronics era, silicone era

Now and future: Photonics era, molecular era

Photon science and technology is and will be most important for our society !

Photochemistry is molecular photon science and technology !

ICP is most responsible to advance this important science and technology !