



First KIA Laureate Fundamental Research



- ◆ **Researcher:** Prof. Seik Weng Ng
- ◆ **Nationality:** Malaysian
- ◆ **Date of birth:** 1951
- ◆ **Position:** Professor
- ◆ **Scientific affiliation:** University of Malaya, Malaysia

Project title: Structural study of organometallic compounds by crystallography

Abstract: Beginning with the spectroscopic characterization of tin-organic chemicals in the early part of his academic career, Prof. Seik Weng Ng of the University of Malaya (Malaysia), embarked on collaborating with foreign chemists on the elucidation of the three-dimensional structures of the compounds by X-ray crystallography. The Khwarizmi International Award recognizes his unique contribution to chemical crystallography that manifests in a large number of papers that have been published with his collaborators. In the field of coordination polymers in particular, his joint work has helped clarify the bonding patterns of this class of compounds. His handling of disordered crystal structures merits special mention.

Biography: Prof. Seik Weng Ng graduated with a B. Sc. (Hons.) from the National University of Singapore and an M. Sc. from the University of Malaya. He completed his doctoral studies under a Fulbright scholarship at the University of Oklahoma (USA) in 1983, and has been serving at the University of Malaya in Kuala Lumpur, Malaysia, since. His research initially revolved around the chemistry of tin-organic compounds; the studies earned him the Malaysia Toray Science Foundation Prize in 2000. After 2000, he concentrated on publishing the crystal structures of organic as well as metal-organic chemicals, largely in collaboration with chemists from different countries. Such joint research with national and international investigators spans more than 1000 SCI papers, some of which appear in high-impact factor journals. The volume of publications translates into nearly 4000 citations. He possesses special competence in the refinement of disordered structures. He has been appointed "honorary professor" of more than 20 Chinese universities. Among the scientists in Malaysia, he is ranked among the 10 most productive. Among the scientists and engineers in the Organization of Islamic Countries (OIC), he is ranked near the top in the chemistry discipline.