

**Report Prepared by Mei-Hung Chiu 2010/7/25**

**5.1. Chemistry for Education Development (Mei-Hung Chiu) [CCE2010\_005.1]**

Prof. Mei-Hung Chiu (China/Taipei), *Chair*

- Prof. Jan Apotheker (Netherlands)
- Dr. Chin-Cheng Chou (China/Taipei)
- Prof. Masahiro Kamata (Japan)
- Prof. Ram Lamba (Puerto Rico)
- Prof. Christiane Reiners (Germany)
- Dr. Lida Schoen (Netherlands)
- Dr. Erica Steenberg (South Africa)
- Prof. Natalia Tarasova (Russia)

Building a global and regional network

1. FCP [Also see 10.1]. The purpose of FCP is to provide emerging or economically disadvantaged countries to improve the teaching and learning of chemistry at primary, secondary, and tertiary levels. Two new FCP program visits are proposed for the coming years: The first is proposed for Croatia (November 2010), and the second in February 2011 in Ethiopia (who helped to launch the IYC). Both proposals follow a model used successfully in India, Sri Lanka, and the Philippines in the three previous FCP initiatives. Several members of CCE and chair of Chemistry Education for Development Sub-committee (Chiu) have worked closely with local organizers on the development of proposals for these next two FCP visits.
2. Supporting YAC evaluation project [See 10.2]  
As one of the members of YAC evaluation, three visits were completed in Cyprus in 2009 and Malaysia and the Philippines in 2010.
3. Network for Inter-Asian Chemistry Educators (NICE): NICE was initiated by three CCE members, Choon, Do, Masato Ito, and Mei-Hung Chiu in 2006. The purpose of NICE symposium is promoting the communication between inter-Asian chemistry educators, exchanging the chemistry teaching strategies and materials in different countries, as well as sharing the fruitful research results and experiences. Ever since, NICE has been held for three times in Korea, Taiwan, and Japan. The latest one was in Tokyo, Japan on July 29-30, 2009. The fourth NICE will be held in Seoul in 2011 which is organized by Prof. Hee Chae at the National Seoul University.
4. Textbook analysis: A team of CED members will be working on a proposed project on international textbook analysis that is meant to share the teaching materials to countries who are interested in international comparisons of textbooks. The proposal is under preparation. CCE members interested in joining this work are encouraged to contact the CED chair.
5. Curie's book  
Book: Celebrating the 100th Anniversary of Madam Maria Sklodowska Curie's Nobel Prize in Chemistry, Mei-Hung Chiu, Penny J. Gilmer, and David Treagust. The last two editors were former presidents of National Association of Research in Science Teaching (NARST) in the US. The proposed contents include 10 chapters: Chap 1. Marie Curie (Invited contributor & MH Chiu), Chap 2. Public understanding of chemistry (John Gilbert, UK), Chap 3. Forgotten women in chemistry education (Bill Palmer, Australia), Chap 4. Women in chemistry (Penny J. Gilmer & Patricia Baisden, USA), Chap 5. Immigrant women in history of chemistry (Rachel Mamlok-Naaman & Judy Dori), Chap 6. 19th-century female chemistry ahead in science (TBA), Chap 7. Historical view of women scientists (Julie Des Jardins), Chap 8. Images of chemists (TBA), Chap 9. Ethics in research (TBA), and Chap 10. Science & policy (Peter Fensham). Potential contributors are still needed. Recommendations are welcome.