

Chemical Education in the 9ACC and the WCC

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The Ninth Asian Chemical Congress (9ACC) was held in July 1-3, 2001 in Brisbane Australia, as part of the World Chemical Congress 2001 (WCC), in which was also incorporated the 38th Congress of the International Union of Pure and Applied Chemistry (IUPAC) and the Asian Federation of Medicinal Chemistry Congress 2001 (AIMECS 01) [1]. There was one symposium focused on Chemical Education, the 9ACC symposium "Chemistry and Community", organized by Dr. Bob Bucat (Australia), Professor C. L. Fogliani (Australia), Professor Ma. Cristina D. Padolina (Philippines), and Dr. Masato M. Ito (Japan). It consisted of one invited lecture, eleven oral and four poster presentations. In addition, there were at least nine oral and several poster presentations focused on Chemical Education in the WCC, including the symposium "Chemistry by Computer" [2]. The titles and speakers for the presentations are listed below.

The 9ACC Symposium "Chemistry and Community"

Plenary Lecture

Chemistry for a Better Community, *Yuan Tseh Lee (Academia Sinica, Taipei, China)*

Oral and Poster Presentations

Trends in Regional Chemistry Research Training: Some Directions for the Future, *John B. Bremner (Univ. Wollongong, Australia)*

Enhanced Multifarious Tertiary Educational Opportunities in the Chemical Sciences through Sri Lanka's (New) College of Chemical Sciences, *J. N. Oleap Fernando, (Open Univ. Sri Lanka, Sri Lanka)*

Things you always wanted to know about Chemistry, *Igor Novak (National Univ. Singapore, Singapore)*

The Australian National Chemistry Quiz: a Means of Promoting Chemistry in Asia, *C. L. Fogliani (Charles Stuart Univ., Australia)*

Small Molecules--Large Molecules: a Major Hurdle for Many Students, *Tony Wright, Slavica Pavlinic and Paul Buckley (Massey Univ., New Zealand)*

Chemistry Beyond the Classroom: Lining High School Chemistry with the Local Community, *Ma. Assunta C. Cuyegkeng (Ateneo de Manila University, Philippines)*

Environmental Education in Malaysian Schools: New Approaches and Strategies, *Ting-Kueh Soon (Kolej Tunk Abdul Rahman, Malaysia)*

Classification of Chemical Reactions by Science Majors, *Moises Camacho (Univ. Puerto Rico, Puerto Rico)*

International Chemistry Olympiad: a Survey on the Circumstances of its Participant Countries, *M. M. Ito et al. (Chemical Society of Japan)*

The European Chemistry Thematic Network (ECTN) over 100 Chemistry Departments from 30 Countries, *Anthony Smith and Pascal Mimero (ESCPE Lyon, France)*

Low Cost Instrument for Teaching Modern Analytical Chemistry, *R. J. Hodges and H. A. Pillekers (Monash University, Australia)*

A Classic Example of Collaboration and Co-operation between Member Chemical Societies of FACS: Australian Chemistry Quiz Competition to be Conducted in Sri Lanka for the Fifth Year, *J. N. Oleap Fernando (Institute of Chemistry, Ceylon, Sri Lanka)*

Promoting Regional Cooperation: the May 2001 Melbourne Workshop on the Chemical Weapons, *Joseph Moniodis et al. (Murdoch University, Australia, etc.)*

Want to Evaluate your Competence in Chemistry: Take the European Chemistry Test, *Pascal Mimero (ESCPE Lyon, France)*

The WCC Symposium "Chemistry by Computer"

Keynote Lectures

Graduate Courses via the Internet--Dream or Reality? *D. S. Moss, C. E. Sansom, and H. Driessen (Birkbeck College, U. K.)*

The Strategy for Globalization of Chemical Education, *Yoshito Takeuchi (Kanagawa Univ. Japan)*

Oral Presentations

Teaching Chemistry in the Information Age: Internet, Online, and In-house Databases, *Uwe Boehme and Silke Tesch (Technische Univ. Bergakademie Freiberg, Germany)*

Teaching Chemistry Problem Solving: The Role of Computers, *Rowan W. Hollingworth (Univ. New England, Australia)*

Computer and IT Skills of Australian First-year University Undergraduate Students, *Kieran F. Lim (Deakin Univ., Australia)*

Computer-assisted Instruction in Chemistry, *L. Glasser (Univ. Witwatersrand, South Africa)*

Virtual Laboratory Experiments on the Web, *Mauro Mocerino, Mark Ogden, and Andrew Rohl (Curtin Univ. Technology, Australia)*

The Chemical Detective: A Forensic Science Workshop for High School Students, *Simon W. Lewis, Darlene Barnett, Jeanne Lee, Tes Toop, and Wendy Toogood (Deakin Univ., Australia)*

Progress of Virtual Education of Chemistry in Korea, *Choon H. Do and Jungi-I. Jin (Sunchon National Univ., Korea Univ., Korea)*

In addition, a satellite workshop on chemical education [3] was organized by the IUPAC Committee on Teaching of Chemistry (CTC), the presentation of which, we expect, will be published by IUPAC CTC or its successor Committee on Chemistry Education (CCE) [4].

As an editor of the *Chemical Education Journal (CEJ)*, as one of the organizers of the Symposium of 9ACC, and also as an ex-Director of the FACS Project "Asian Chemical Education Network (ACEN)" [5], I am very pleased to see that this special issue is being published herewith, with eight contributions, four from each symposium. Some of the other 9ACC presentations seem more related to 'community' than 'education' and WCC key note lectures will be presented elsewhere, such as in "Pure and Applied Chemistry" (issued by IUPAC) [6].

Papers for the remainder of the presentations will be cordially considered for publication in the future issues of *CEJ*, as well as other contributions in relation to chemical education. We will be happy if this issue contributes to the enhancement of information exchange in the Asia-Pacific region and development of chemical education in the region.

References

- [1] <http://www.ccm.com.au/wcc/>
- [2] World Chemistry Congress, Brisbane, Australia, 1-6 July 2001, Congress Journal (2001)
- [3] <http://www.ccm.com.au/wcc/satellitemeetings.html#education>
- [4] <http://www.iupac.org/standing/cce.html>
- [5] <http://www.t.soka.ac.jp/chem/ACEN/>
- [6] <http://www.iupac.org/publications/pac/index.html>