

**Appendix C**  
**SUMMARY on**  
**The 3<sup>rd</sup> International Symposium on Hydraulic Structures**  
**October 20-23, 2008, Nanjing, CHINA**

The 3<sup>rd</sup> IAHR-ISHS Symposium was successfully held together with the 16<sup>th</sup> IAHR-APD in Hohai University, Nanjing, China, from October 20 to 23, 2008. Madam Guifen LI, Mr. Philip Burgi, Mr. Jorge Matos are invited as the Chairman of the scientific and technical committee. More than 10 of HS members are participated and 128 papers (1/3 of the total papers) are focused on two topics:

**TB1: Hydraulic Structures for Water Projects (Volume 5).**

**TB2: Hydropower Hydraulics (Volume 6).**

**Keynote Lectures from HS members:**

**Philip Burgi: The Role of Hydraulic Structures in Meeting Future Water Challenges**

**Arturo Marcano: Hydraulic Structures of 17,700 MW Lower Caroni Hydroelectric Complex- Developments, Incidents and Lessons**

The **TB1** focused on new developments in design, construction, operation, monitoring and maintenance of hydraulic structures; numerical and physical modeling; risk and safety assessment; instrumentation and technology in laboratory experiments and field tests; and sustainable design of hydraulic structures. Three invited lectures were given by Prof. Stefano Pagliara and Prof. Corrado Gisonni from Italy and Prof. Youichi.Yasuda from Japan relating to block ramp, fishway and high-speed flows. About 30 presentations were given.

The **TB2** focused on the physical and numerical simulations and researches on the intakes and outlets, spillways, fishways, energy-dissipators, two-phase flow, pipe flow, cavitation, vibration and aeration, hydraulic machinery and the environmental and ecological impact of hydraulic structures .Prof. Fulin Cai gave an invited lecture and a total of 27 presentations were given.

In addition to the major involvement of the Hydraulic Structures Section on the topics of the Symposium, the contribution of the Section was also extended to the 16th IAHR-APD. The **TA3**, focused on Fluvial Processes and River Engineering, included an invited lecture given by Prof. Helmut Knoblauch.

Good discussions and knowledge exchanges took place both on the technical sessions and out of them.