An OCPA International Accelerator School was held in July 23 – August 3, 2002, Singapore. It was the third in the school series. The first was held in Hsinchu, Taiwan, 1998, the second in Yellow Mountain, 2000. The purpose of this school series is to provide the students a basic training on modern accelerators. The course duration is about 2 weeks.

In the past two decades, there has been a rapid growth in the science and technology of accelerators as well as the development of a wealth of their applications. Accelerators are becoming a very exciting field of research. In the Asian region, there has been a lack of opportunities for students to learn this fascinating growing field first hand from experts in the field. We attempt to provide this opportunity.

The choice of Singapore as the school location was at the strong suggestion by Dr. K.K. Phua of the World Scientific Publishing Co. The choice was partly aimed toward the staff and students of the Singapore Synchrotron Light Source. The SSLS, led by Professor Herbert Moser, is a new facility equipped with a 0.7 GeV racetrack storage ring with superconducting magnets.

The organizers and the sponsors of the school are listed in the Appendix. We are grateful to the strong supports from Singapore, Mainland, Taiwan, Germany, and OCPA. Other detailed information of the school including its curriculum program can be found on the web site

http://www.meetmatt.net/events_ocpa.html.

The Curriculum Committee was chaired by Professor Zhengtang Zhao, head of the Shanghai Synchrotron Radiation Facility. As can be seen from the web site, the school curriculum was both exciting and practical. English was the official
language in this school. There were 49 students and 19 lecturers. Among the students, 26 were from Mainland, 6 from Taiwan, 2 from Korea, and 15 from Singapore. Lecturers were distinguished members of the accelerator community. Most of them were from Mainland and Taiwan. A few lecturers were from the US, plus one from Singapore, and two from Germany. The lists of students and lecturers can be found on the web. Proceedings of the school lectures will be published after the school by World Scientific.

The Local Committee was chaired by Professor Herbert Moser with the competent help from the Meeting Matters International, led by Ms. Cheng-Hoon Khoo. Local supports from Professor K.K. Phua and from Professor Choo Hiap Oh, Chairman of the Department of Physics, National University of Singapore, were all very critical for the school. The pleasant school site was at a boarding school with brand new buildings (2 months old). The boarding school is part of the Chinese High School.

In addition to the room and board and school functions, the Local Committee also organized for us a reception, a memorable banquet on a junk in the Singapore Harbor, and an excursion of the highlights of Singapore. The evening outings were also welcomed by the lecturers and students alike. On the last day, we were given a tour of SSLS facility and the Research Center for Nuclear Microscopy. We not only worked hard, but also played hard in the spare time. The most memorable thing to many of us has been the time together with many old and new friends.

Students were given a total of 49 homework problems during 10 days – an indication of how hard the students had to work. In addition, there was a final exam. The students generally did very well on the exam. The best students were awarded with small prizes in a small ceremony at the conclusion of the school.

This school was a good success. It was touching to see how much effort the lecturers put into their lectures. Their serious attitude affected the students, many of whom studied late into the nights. The attitude of the students in turn affected the lecturers. In fact, the best sign of this school being a success is shown by the fact that all participants made their very best efforts, by the lecturers, by the students, as well as by the organizers.

There has been a decision of holding a fourth OCPA School in 2004. No decision has been made on its location, but likely locations being mentioned included Shanghai and Taiwan.
Appendix

Organizers

Singapore Synchrotron Light Source, National University of Singapore
Department of Physics, National University of Singapore
South East Asia Theoretical Physics Association, Singapore
Division of Beam Physics, Overseas Chinese Physics Association

Sponsors

Singapore Lee Foundation
Singapore Synchrotron Light Source, National University of Singapore
National Natural Science Foundation of China
Synchrotron Radiation Research Center, Hsinchu
Singapore Buddhist Lodge
ACCEL and M & W Zander, Munich
South East Asia Theoretical Physics Association, Singapore
World Scientific Publishing Co Ltd
Overseas Chinese Physics Association