

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
In Orbit - Postgraduate Space Education (4)

Author: Mr. Zhao Sheng
China Academy of Space Technology (CAST), China, futtonzhao@126.com

Mr. LIU Ruisheng
CAST, China, 1203015497@qq.com

SPACE TECHNOLOGY EDUCATION & TRAINING EXCHANGE PLATFORM OPEN TO THE
WORLD

Abstract

CAST Shenzhou Institute (CSI), a famous Chinese corporate institution, was founded in 2005 by China Academy of Space Technology (CAST) which is subordinated to China Aerospace Science and Technology Corporation (CASC), one of the Fortune Global 500. As the cradle of China's space technology talents, CSI sets "Erudite and devoted, Contributing to aerospace cause" as its school motto, develops a special project operation mode with aerospace characteristics and brand effect. CSI has successfully ranked among China's top ten corporate colleges in less than a decade, acquire highly positive recognition in some countries of South America, Africa and Asia, and is eager to be more attractive to other regions of the world.

Located in a beautiful environment of Beijing, CSI has complete and rigorous management standards and regulations, and a mature disciplinary system. From its first enrollment of graduate students of master in 1979 up to now, CSI has developed 7 post-doctoral research centers and work stations, 48 authorized major programs at master and doctorate levels, cultivating more than 2,000 top-level reserve talents for enterprises. Implementing modern training concepts, CSI provides more than 200 efficient training programs to train excellent talents in various fields for enterprises; its customized international training programs have benefited at least 600 international trainees for over 20 countries; its powerful educational supporting systems, including the independently developed E-learning platform, "Spacecraft virtual design teaching platform", and "Parallel projects integration laboratory", which have many patent technologies and software copyrights, provide professional teaching and experimental platforms for both theoretical learning and engineering practices. Meanwhile, CSI has been cooperating with famous domestic universities and renowned international research institutes, and obtained diversified crossover resources.

In recent years, CSI lays great emphasis on and harvests outstanding achievements in the "four key programs" of the talent strategy for CAST and other customers, namely, the leading personnel capacity building program with leadership and the competency model at the core, the young scientist training program with work-post practice and knowledge innovation at the core, the front-line researcher quality promotion program with professional skills development at the core, and the high-level reserve talents cultivation program with the graduate training as the primary platform.

This paper will present a comprehensive analysis of the exploration efforts made by CSI from various aspects, such as precise strategic positioning of aerospace talents, systematic planning of academic programs, creative teaching implementation platforms, and efficient organizational operation mechanism, etc.