

Keynote Speaker: An Baosheng



Professor An Baosheng

Dean and Professor

The Dean of School of Engineering and Technology (From 2006 to now)

Before 2006, professor An has contributed to education information. He was honoured as The Dean of Beijing Normal University Academe for Education Information and Network Technology (2001-2005); The Vice Dean of National Research Centre of Distance Education for Teachers (2002-2005); The member of Expert Committee for National IT Education for Teacher (2002-2005); The Advisor on Education IT for of Beijing Academy of Education Sciences (2002-2005).

From 2006, his works have been concentrated on educational research of engineering and technology. Professor An had directed the foundation of School of Engineering and Technology at BNUZ. The school has been cooperated with AQSIQ (General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China) in Zhuhai and built lab system which core is three national level laboratories on production design and detection and biology. His group and lab systems have important role in STEM research. The investigations of STEM '5L' teaching method had been succeeded. Professor An is invited as a member of STEM2012 conference program committee.

Keynote Speech for STEM2012:

Investigations of STEM '5L' Teaching Method

Abstract: The report introduces the research, practice and achievements of the investigations on STEM educational methods at School of Engineering and Technology of BNUZ in the last six years. Conclusions include three parts, as shown below:

Introduction of '5L' teaching method. '5L' is the abbreviation of 'Learning by playing, learning by observing, learning by travelling, learning by practice, learning by research.' The report analyzed functions for each one of 5L and it also concluded the model.

In the report, environments of education were provided such as laboratories, instruments, as well as soft environments. They are the keys taking the '5L' teaching methods available into practice. The school has been cooperated with AQSIQ (General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China) and built high level lab system which core is three national level laboratories More than ten training bases were built outside school as well.

Under the directions of '5L' teaching method, great successes are shown by the undergraduate students in technical researches, product inventions and matches and competitions. The faculties also have a series of breakthroughs in designing key equipments for STEM labs.