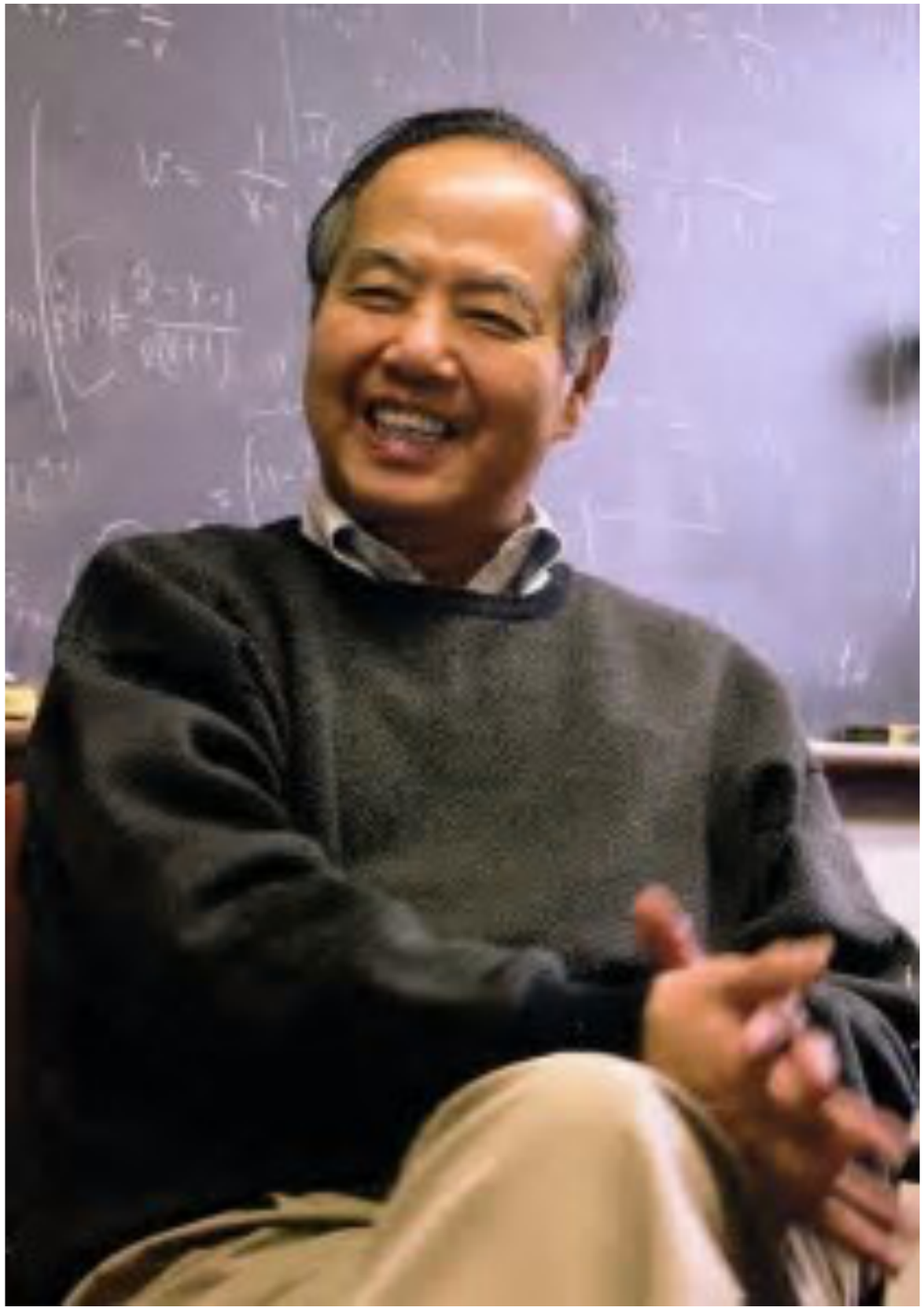
TDLI / WQC Overview





Shanghai Daily,
24 Feb. 2017

PUDONG will build a Tsung-Dao Lee Research Center in the Zhangjiang area, along with a batch of new world-class scientific institutes in a bid to develop the area into a “national science center.”

The research center is named after the Shanghai-born scientist who won the Nobel Prize for physics in 1957 and will focus on particle physics and astrophysics as well as quantum science and technology, the Shanghai Science and Technology Commission said.

“The new center aims to enhance China’s influence on the fields of fundamental physics,” a commission official told reporters yesterday.

“The Zhangjiang area aims to attract 500 renowned scientists and experts by the end of 2020,” Fu said. “Over 20,000 professionals from abroad, and overseas graduates will work in the Zhangjiang town by then.”

‘Science City’ to take Shanghai far into the future



Covering 94 square kilometers in southeastern Shanghai, Zhangjiang Science City aims to be par with the US Silicon Valley, Singapore’s One North Science Park and Japan’s Tsukuba scientific town. — Zhang Suoqing

In the very short term, our goals include:

- nourishing our existing activities, through programs and workshops
- forming an excellent, international advisory board
- building up international collaborations
- preparing to make excellent appointments, by
  - building up first-class physical and human infrastructure
  - spreading the word and looking for opportunities
  - securing financial support
- preparing an awe-inspiring event next year
- settling on a logo

In the longer term, we want to create a thriving center of research, featuring

world-leading efforts in important directions

international collaboration

mentoring

cross-cultural (art/science) activity and public outreach

connections to technology, both as inspiration and as application

The Wilczek Quantum Center (WQC), organized as a unit of the School of Physics and Astronomy (SPA) at Shanghai Jiao Tong University (SJTU), will work together with TDLI.

WQC will focus on theoretical physics, beginning with “frontier quantum physics”.