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## 文理交融之道

### The Dao of Blending Humanities and Science

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The problem of blending the humanities and “science” (H&S) arised once the separation of the two appeared in history. The blending of H&S occurs at three levels: social, education and research. C. P. Snow’s “two cultures” (1959) addresses the issue at the social level; Cai Yuan-Pei’s, the educational level. Blending at the research level is a new trend in the last 20 years or so in the West, which is also what *scimat*, a new multidiscipline initiated by Lam, has tried to promote since 2007. Presently, with many countries encouraging innovation as the foundation of a new economy the importance and relevance of the humanities in innovation is being recognized gradually, which, however, is not universally accepted. The way to promote H&S blending at the educational level is through general education. Here, we will introduce and discuss the historical origins and developments of these issues, and present a new general-education course, Humanities, Science, Scimt, which focuses on H&S bleeding.

文理交融的问题始于历史上的文理分离。文理交融有三个层次: 社交、教育、研究。C. P. Snow 的 " 两种文化 " (1959) 谈的是社交层次。蔡元培的 " 文理融合 " (1918) 是教育层次。研究层次是近 20 年来在西方兴起的趋势, 也是 " 人科 " (Scimat) 自 2007 年来所鼓吹的方向。在目前各国以创新为推动新经济发展的基础的时候, 文科教育对创新的重要性已渐受注意, 但还未成为共識, 包括在台湾。如何推动教育层次的文理交融, 其突破点在通识教育。我们将对上述各问题的历史性来源与发展进行介绍和讨论, 並介绍一门专注于文理交融、新的通识教育课: " 人文、科学、人科 " 。

**Lui LAM**, humanist and physicist, is professor emeritus at San Jose State University, California, recipient of SJSU's 2017 Distinguished Service Award, and Guest Professor at both the Chinese Academy of Sciences (CAS) *and* the China Association for Science and Technology (CAST). Education: BS (First Class Honors), University of Hong Kong; MS, University of British Columbia; PhD, Columbia University. Invented Bowlics (1982), Active Walks (1992) and two new disciplines: Histophysics (2002) and Scimat (Science Matters, 2007/2008). Published over 180 papers and 16 books, including *Arts* (2011) and *All About Science* (2014). Founder of International Liquid Crystal Society (1990); founder and editor of two book series: Science Matters (World Scientific) and Partially Ordered Systems (Springer). Current research: philosophy and complex systems. Website: [www.sjsu.edu/people/lui.lam/scimat](http://www.sjsu.edu/people/lui.lam/scimat). Email: [lui2002lam@yahoo.com](mailto:lui2002lam@yahoo.com).