

治院理念及本院整體發展之意見

牟中瑜

清華大學理學院立足新竹將近 50 年，在歷任院長及全院師生的共同努力下，奠定了紮實的基礎，不僅培育了許多傑出人才，學術成就更執國內各領域牛耳。本人將在此基礎上，進一步推動清大理學院在教學上成為亞洲理學院的最佳選擇，更當仁不讓在世界學術重鎮中彰顯獨具的特色。

理學院以各系所為基礎組成，院的表現一向是各系所獨立表現的總和。然而隨著時代的演進，我們面臨的競爭愈發激烈、資源愈發緊縮，近來博士班學生名額遽減，教育部更推動以院為教學單位的方向，兄弟爬山、各自努力的效益已經達到極限，需要仰賴跨領域整合以及團隊的力量，將理學院整體推向新的境界，因此積極推動橫向整合與培養合作團隊將是重點，分述如下：

一、教學與招生：理學士班的成立使得各系的課程與招生有了較密切的交互作用，以此為基礎進一步呼應教育部以院為教學單位的方向。

- 增加院內跨領域課程：理學士班學生的主修已包括院內各系的課程，以此為基礎，增加院內跨領域整合的課程，以豐富多元之課程設計吸引優秀學生加入理學院。
- 招生國際化：一方面爭取本國博士生名額，統合運用以免名額流失，另一方面提高英語教學課程比例，並實質鼓勵更多學生出國交流，以院的資源統合推動博士班國際招生，創造與時俱進、與國際無縫接軌的教學環境。

二、研究：整合理學院的優勢與資源，進一步推動議題導向的研究中心。

- 特色獨具：強化各系所特色領域的發展，並樹立鮮明的標竿旗幟。進一步以跨學門、跨領域之合作研究爭取大型計畫，並共享資源、帶動跨領域的院內同仁參與強化現階段已爭取到的大型計畫（如深耕計畫的前瞻物質基礎與應用科學中心、前瞻量子科技研究中心等）。
- 發展人才：爭取理學院教師名額，並結合院級資源，加強對新進教師學術發展的提攜與支持，以吸引傑出人才加入理學院。
- 國際合作：以院為單位主動聯繫、鼓勵更深入之國際交流與合作研究，以提昇本院國際地位。

除了以上對理學院整體發展的看法外，在行政業務上，我將聚焦於各系所間的溝通、協調與整合，尊重各系所的學術專業，以公正、公開透明的方式處理院務，提升對院內師生服務的效能。

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現職	清華大學物理學系教授	2002 迄今
學歷	美國加州理工學院物理博士 (California Institute of Technology, Pasadena, California, USA)	1993
	臺灣大學物理學士	1986
學術經歷	清華大學物理學系主任、天文研究所所長	2014-2017
	國科會物理推動中心主任	2010-2013
	General Council Member of APCTP(亞太理論物理中心)	2008-2010
	國家理論中心物理組主任	2007-2009
	國科會物理學門審議委員	2001-2003
	清華大學物理學系副教授	1996-2002
	中正大學物理學系副教授	1995-1996
	美國維吉尼亞大學物理學系博士後研究 (University of Virginia, Charlottesville, Virginia, USA)	1993-1995
學術期刊 審查委員 Referee	<ul style="list-style-type: none"> - <i>Physical Review Letter</i>、<i>Physics Review B</i> - <i>Applied Physics Letters</i> - <i>New Journal of Physics</i> - <i>Chinese Journal of Physics</i> - <i>International Journal of Modern Physics B (associated editor)</i> - <i>Europhysics Letter</i> - <i>Journal of Physics: Condensed Matter</i> 	
學術榮譽 與獎勵	清華大學清華講座教授	2020 迄今
	清華大學特聘教授	2018-2020
	科技部未來科技獎	2020
	教育部學術獎	2019
	中華物理學會會士	2011-
	科技部傑出研究獎	2008, 2017
	國科會甲種研究獎勵	1997-2001
	國科會自然處績優新進人員	1999
服務	物理奧林匹亞培訓計畫	2004 迄今
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