

CV of Professor Roland T Chin

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Professor Roland T CHIN

Professor Roland Chin is Chair Professor of Computer Science, and the Vice-President for Academic Affairs and Deputy President of the Hong Kong University of Science and Technology (HKUST). He joined HKUST in 1992, and served as Head of the Department from 1996 to 2001 and the Vice-President for Research and Development from 2003 to 2006. He was seconded to Applied Science and Technology Research Institute (ASTRI) as the Vice President for Information Technology from 2001 to 2003.

He was born in Macau, grew up in Hong Kong, and studied electrical engineering at the University of Missouri, Columbia (B.S. 1975; Ph.D. 1979). He subsequently worked at the NASA Goddard Space Flight Center in Maryland for two years prior to joining the Faculty of Electrical and Computer Engineering at the University of Wisconsin, Madison from 1981 to 1995 (Assistant Professor 1981; Associate Professor 1984; Full Professor 1989).

Professor Chin has an outstanding research standing in the areas of computer vision, digital image processing, and pattern recognition. His work was recognized by awards such as the prestigious Presidential Young Investigator Award from the National Science Foundation, and appointments to serve on editorial boards of top journals such as the *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *IEEE Transactions on Image Processing*, and *Pattern Recognition*. His research was well supported by competitive funding bodies in the US and Hong Kong, including the National Science Foundation (NSF), National Aeronautics and Space Administration (NASA), the UGC's Area of Excellence (AoE) scheme, Research Grants Council (RGC) funding and

Innovation Technology Funds (ITF). He has published over 100 research publications and supervised over 30 research post-graduate students.

In teaching and learning, he has spearheaded the move to “reinventing undergraduate education” for the 334 transformation at HKUST. He advocates well-rounded learning experience with flexible curriculum, interdisciplinary education, broad-based knowledge acquisition, critical thinking and leadership development, global outlook, and out-of-classroom experience.

He had served on numerous public bodies including the Hong Kong Examinations and Assessment Authority, Employees Retraining Board (ERB), Quality Education Fund (QEF), Hong Kong Association for Computer Education, Hospital Authority, Applied Research Council, Innovation and Technology Commission (ITC), Cyberport Board and Education Bureau. He is currently a member of the University Grants Committee (UGC), the Steering Committee on Innovation and Technology and the Commission on Strategic Development. He also serves on the Board of Nano and Advanced Materials Institute (NAMI) and Logistics and Supply Chain Management Institute (LSCM), and as the Board Chairman of HKEduCity. Since 2005, he has been the Chairman of the Research Grants Council (RGC).

錢大康教授

錢大康教授現任香港科技大學計算機科學系講座教授、副校長(學術)及首席副校長，負責大學的學術與教務工作。他在1992年加入科大，出任計算機科學系教授，1996年至2001年擔任該系主任，2003年至2006年擔任研究及發展副校長。他在2001-2003年期間被借調到應用科技研究院，出任資訊科技副院長。

錢教授在澳門出生，香港長大，後負笈密蘇里大學(哥倫比亞)修讀電機工程，1975年及1979年分別取得學士及博士學位。隨後在馬利蘭州美國太空總署高達太空飛行中心任研究工作兩年；1981年加入威斯康辛大學(麥迪遜)任電機及電腦工程系助理教授，1984年任副教授，1989年升任教授。

錢教授在研究電腦影像、圖像處理及圖形辨識等領域均享有卓越地位，曾獲美國國家科學基金(NSF)年青研究員的美國總統大獎等獎項；亦獲委為著名學報的編輯委員，包括 *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *IEEE Transactions on Image Processing*, and *Pattern Recognition*。他的研究備受美國及香港多所競爭甚烈的研究基金支持，包括美國國家科學基金(NSF)、美國太空總署(NASA)、香港大學教育資助委員會屬下的卓越學科領域計劃(AoE)、研究資助局(RGC)和創新科技基金(ITF)等。他的著作刊登於逾100份學術期刊，並指導超過30位研究生。

在教與學方面，錢教授領導科大「三三四」新學制的「創新課程」發展。他主張靈活課程、跨學科教育，讓學生尋求寬廣的知識、學習批判思維、發展領導才能、胸懷全球視野，並推廣課堂以外學習，最終目標是為學生提供全面學習經歷。

錢教授曾出任多項公職，包括：香港考試及評核局、僱員再培訓局、優質教育基金、香港電腦教育學會、醫院管理局、應用研究局、創新科技署、數碼港董事局及教育局。錢教授現任大學教育資助委員會、創新及科技督導委員會和策略發展委員會委員。他亦是納米及先進材料研發院及香港物流及供應鏈管理應用技術研發中心董事局成員及香港教育城董事局主席。錢教授自 2005 年起一直出任研究資助局主席。