

Post Specification for Head of Department of Materials Science and Engineering

The University

City University of Hong Kong (CityU) is funded by the Government of the Hong Kong Special Administrative Region through the University Grants Committee of Hong Kong. As a publicly-funded institution, the University is committed to nurturing and developing students' talents and creating applicable knowledge to support social and economic advancement. CityU is a dynamic, fast-growing university that is pursuing excellence in research and professional education. It has approximately 20,000 students and more than 2,500 full-time faculty and staff from diverse international backgrounds. CityU has a growing international reputation and aspires to become a leading global university. It has made giant strides in the recent world university ranking exercises. It has been ranked 49th in the latest Quacquarelli Symonds (QS) world university ranking survey, and 4th among the world's top 50 universities under the age of 50 in 2016 QS survey. Besides, it has been ranked 1st in Engineering/Technology/Computer Sciences in Hong Kong according to ARWU 2016 survey, and 2nd Business School in Asia-Pacific region according to UT Dallas 2016 survey.

Academic Structure

The University has four Colleges (Business, Liberal Arts and Social Sciences, Science and Engineering, Veterinary Medicine and Life Sciences) and three Schools (Creative Media, Energy and Environment, Law). The University offers a wide range of undergraduate and postgraduate degree programs. The Bachelor of Veterinary Medicine program commencing in the academic year 2017/18 represents a milestone in the development of veterinary education in Hong Kong and the region.

The Chow Yei Ching School of Graduate Studies strengthens the operation and development of all postgraduate programs and fosters a nurturing ambiance for graduate studies.

The School of Continuing and Professional Education (SCOPE) helps fulfil the University's role as a centre for life-long learning by providing continuing educational opportunities for the local community through self-financing degree, certificate and short-term programs.

The Campus

Strategically located in Hong Kong, the University is close to the Kowloon Tong station of the Mass Transit Railway and is readily accessible from all parts of the city. Its purpose-built campus offers state-of-the-art learning, teaching and research facilities in a high-technology environment, supported by an advanced computing network system. All facilities are within easy distance, enabling active staff-student interactions and participation in various on-campus activities.

The University has launched ambitious campus development plans to make better use of available space and provide top-quality facilities for its faculty and students. The state-of-the-art Run Run Shaw Creative Media Centre building, Li Dak Sum Yip Yio Chin Academic Building and Lau Ming Wai Academic Building were completed. These projects collectively add 60 percent more space to the campus for academic pursuits.

Quality Education

The University offers professional education to prepare its students for the challenges and exciting opportunities emerging in Hong Kong, the Asia-Pacific region and throughout the world. Through its extensive links with relevant industries, the University provides opportunities for students to work with and learn from professionals in the workplace.

The University has a strong team of experienced, globally-recruited academic staff with diverse research interests and professional expertise. Employing interactive, IT-based teaching methodologies, students acquire a first-rate grounding in their chosen subjects and the life-long learning skills needed for the real world. The University's unique Discovery-enriched Curriculum has the goal of giving all students the chance to make an original discovery.

Research

The University sees research as one of the key elements in its strategy to become a leading university in the region. The University concentrates its resources to achieve excellence in selected areas of research, and focuses on applied research with direct local and regional relevance. Over the past few years, the University has secured significant external funding from the University Grants Committee's General Research Fund and other sources to pursue relevant projects. Research institutes/centres have been established to provide the focus for interdisciplinary research in selected areas with the capacity and potential for international competitiveness.

An **Institute for Advanced Study** has been set up to gather some of the best minds in science and engineering, to pursue curiosity-driven ideas and studies, and to conduct unfettered research based on free and deep thinking. The University also obtained approval from the Ministry of Science and Technology of China to establish two State Key Laboratories and one Chinese National Engineering Research Center at the University: the **State Key Laboratory of Millimeter Waves**, the **State Key Laboratory in Marine Pollution** and the **Hong Kong Branch of National Precious Metals Material Engineering Research Center**. To extend the University's research impact beyond Hong Kong, two institutes are set up in the Mainland China, the **Shenzhen Research Institute** and the **Chengdu Research Institute**, providing permanent platforms for the research and development, incubation and innovation, as well as professional education and training in the Mainland.

(More information about the University is available at <http://www.cityu.edu.hk>)

College of Science and Engineering

The College of Science and Engineering is the University's largest academic unit. It is unique in that it integrates the science and engineering disciplines under the same umbrella, therefore providing a truly interdisciplinary environment for education and research. The College's vision is to win international recognition as one of the best science and engineering colleges in the Asia-Pacific region. The College currently comprises ten constituent units providing quality education programs with an emphasis on interdisciplinary studies: Architecture and Civil Engineering; Biology and Chemistry; Biomedical Sciences; Computer Science; Electronic Engineering; Mathematics; Mechanical and Biomedical Engineering; Physics and Materials Science; Systems Engineering and Engineering Management; and Building Science and Technology.

The College has about 330 faculty members and 6,700 students studying at various levels, including doctoral degrees. Among our faculty are national academy members, recipients of prestigious international awards, and promising young scholars. Associated with the College are two State Key Laboratories, one Chinese National Engineering Research Center, two Joint Laboratories with Chinese Academy of Sciences and thirteen research centres.

The College has a strong international reputation in research. In engineering/technology, CityU was ranked within the top 100 internationally by QS world university ranking 2017 survey and ARWU 2016 survey.

Department of Materials Science and Engineering

Being the first of its kind in Hong Kong, the Department of Materials Science and Engineering has been established to develop research and scholarship synergies in materials science and engineering, building on the existing strengths of our talented faculty. The new Department aspires to become one of the world-leading departments in cutting-edge research and professional education with a focus on four targeted areas, namely i) biomaterials; ii) computational materials science; iii) functional materials; and iv) structural materials. The Department will serve as a collaboration platform for developing cross-disciplinary academic programmes and multidisciplinary research projects with other academic units in the University.

Job Specification

The Position

Title: Head, Department of Materials Science and Engineering

Reports to: Dean, and Provost through the Dean

Key Areas of Responsibility: The Head of Department will provide leadership and strategic direction in research and professional education for the Department. The Head will encourage and promote academic excellence, and steer the Department to enhance the mission and vision of the University in alignment with the University's Strategic Plan.

Specific Responsibilities:

- (1) Provide a vision for the future of the Department and lead the Department to fulfil the vision and mission of the University in accordance with the University's Strategic Plan;
- (2) Lead and manage the Department within the University's faculty structure;
- (3) Inspire faculty/staff to deliver ambitious academic development programs which significantly enhance the experience of students and reinforce the University's academic position;
- (4) Shape and implement a structure that promotes high standards of research, knowledge transfer and student learning at local and international levels;
- (5) Act as a major liaison between the University and the external community.

The Person

Qualifications and Experience:

- (1) A doctorate degree and strong academic and professional qualifications, a distinguished record of teaching, research and scholarship, and substantial relevant experience in tertiary education;
- (2) Proven record of professional excellence and management experience, and effective leadership to foster high standards of scholarship.

Competencies and Personal Characteristics:

- (1) Strong professional stature that would command the respect of faculty members, community stakeholders, professional bodies and government advisory bodies;
- (2) Ability to attract, motivate and retain distinguished faculty members;
- (3) Outstanding management effectiveness and commitment to teamwork;
- (4) Strong communication and networking skills to build and nurture internal and external contacts to the benefit of the Department, College and the University.

Salary and Conditions of Service

The appointee will be offered appointment to an academic rank commensurate with qualifications and experience. The headship appointment will be on a concurrent basis for an initial period of three years. Remuneration package will be attractive and driven by market competitiveness and individual performance. Excellent fringe benefits include gratuity, leave, medical and dental schemes, and relocation assistance (where applicable).

Application and Information

Further information on the post is available at <http://www.cityu.edu.hk>, or from the Human Resources Office, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, Hong Kong [Email : msesearch@cityu.edu.hk/Fax : (852) 2788 1154 or (852) 3442 0311].

To apply, please submit an online application at <http://jobs.cityu.edu.hk>, and include a current curriculum vitae. Nominations can be sent directly to the Human Resources Office, or email to "msesearch@cityu.edu.hk". **Applications and nominations received by 31 July 2017 will receive full consideration.** The University's privacy policy is available on the homepage.

Candidates are requested to supply a publication list, where appropriate, in the following manner:

- (1) List of publications under the following headings and in chronological order - books, book chapters, journal articles, conference proceedings, reports, letters or short communications. Please also list the order of authors as they appear and the percentage of contribution in such publications.
- (2) Highlight the most recent five papers or five papers containing the candidate's most significant work in the publication list with asterisks. Published reviews or citations of the work may also be provided in support of its significance.

Candidates selected for the final interview may be invited to visit the University.

City University of Hong Kong is an equal opportunity employer and we are committed to the principle of diversity.

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