

1.1 School of Chemical and Biomedical Engineering

Overview

The School, comprising the Division of Chemical and Biomolecular Engineering and the Division of Bioengineering, aims to train a new generation of engineers through a rigorous curriculum that integrates engineering principles with fundamentals of life and chemical sciences.

Graduate programmes offered by the School includes:

- Doctor of Philosophy

Goals and missions

The School aims to provide educational training and experiences that facilitate students to:

- Gain a thorough understanding of the fundamentals of life and chemical sciences
- Deftly solve challenging problems in chemical and biomedical engineering and related areas, with an understanding of the implications of such solutions on the society
- Develop good communication and management skills through team work in the execution of experimental and design projects

Faculty members

Chair's Office

Professor

Ching Chi Bun, Ph.D. (University of Aston), Chair

Associate Professor

Chan Bee Eng, Mary, Ph.D. (MIT), Associate Chair (Research and Graduate Studies)

Assistant Professor

Loo Sun Sun, Leslie, Ph.D. (MIT), Assistant Chair (Academic Affairs)

Division of Chemical and Biomolecular Engineering

Professor

Ching Chi Bun, Ph.D. (University of Aston)

Ng Siu Choon, Ph.D. (Oxford University), Division Head

Associate Professor

Chan Bee Eng, Mary, Ph.D. (MIT)

Vincent Chan, Ph.D. (University of Pennsylvania)

Chen Wei Ning, William, Ph.D. (Universite Catholique de Louvain)

Assistant Professor

Arvind Rajendran, Ph.D. (ETH Zurich)

Chang Wook, Matthew, Ph.D. (University of Maryland)

Chen Tao, Ph.D. (Newcastle University)

Chen Yuan, Ph.D. (Yale University)

Chew Sing Yian, Ph.D. (John Hopkins University)

Chong Chuh Khiun, Ph.D. (University of Liverpool)

Zaher Judeh, Ph.D. (University of New South Wales)

Jiang Rongrong, Ph.D. (Georgia Institute of Technology)

Kunn Hadinoto Ong, Ph.D. (Purdue University)

Kwak Sang Kyu, Ph.D. (SUNY Buffalo)

Lau Wai Man, Raymond, Ph.D. (The Ohio State University)

Lai Zhiping, Ph.D. (University of Massachusetts, Amherst)

Leong Susanna, Ph.D. (University of Cambridge)

Lim Kok Hwa, Ph.D. (Technical University of Munich)

Loo Sun Sun, Leslie, Ph.D. (MIT)

Mohd Aman Ullah, Ph.D. (ETH Zurich)

Santosh Ansumali, Ph.D. (ETH Zurich)
Tan Thatt Yang, Timothy, Ph.D. (University of New South Wales)
Vinay Kumar Kariwala, Ph.D. (University of Alberta)
Wang Kean, Ph.D. (University of Queensland)
Wang Xin, Ph.D. (Hong Kong University of Science and Technology)
Xu Rong, Ph.D. (National University of Singapore)
Yang Yanhui, Ph.D. (Yale University)

Senior Fellow

Teo Wah Koon, Ph.D. (University of Waterloo)

Division of Bioengineering

Associate Professor

Cheang Hong Ning, Philip, Ph.D. (Monash University)
Franz Konstantin Fuss, Ph.D. (University of Vienna)
Li Changming, Ph.D. (Wuhan University), Division Head
Liao Kin, Ph.D. (Virginia Tech)

Assistant Professor

Bjoern Holger Neu, Ph.D. (Humboldt University Berlin)
Chen Peng, Ph.D. (University of Missouri)
Chan Chi Chiu, Julian, Ph.D. (Hong Kong Polytechnic University)
Goh Kheng Lim, Ph.D. (University of Aberdeen)
Lee Kijoon, Ph.D. (Brown University)
Lim Sierin, Ph.D. (University of California, Los Angeles)
Ooi Chui Ping, Ph.D. (University of Cambridge)
Poh Chueh Loo, Ph.D. (Imperial College London)
Wang Dongan, Ph.D. (Zhejiang University)