

1.5 School of Materials Science and Engineering

Overview

Mission

The mission of the School of Materials Science and Engineering (MSE) is to provide university teaching and research in Materials Science and Engineering, and to make professional contributions to the industry and community in Singapore.

Vision

Our vision is to become an institution of global excellence in an environment and culture of ideas, creativity, research and entrepreneurship.

Core Values

The following core values help the School achieve excellence in teaching, research and contribution to industry and the community.

- Quality and innovative teaching
- People-centred service
- Academic excellence
- Strategic and impactful research
- Industrial relevance
- Community development

Faculty members

Chair's Office

Professor

Boey Yin Chiang, Freddy, Ph.D. (National University of Singapore), Chair

Associate Professor

Ma Jan, Ph.D. (University of Cambridge), Associate Chair (Academic)

Subbu S. Venkatraman, Ph.D. (Carnegie Mellon University), Associate Chair (Research)

Assistant Professor

Gan Chee Lip, Ph.D. (S'pore - MIT Alliance/National University of Singapore), Assistant Chair (Alumni and Graduates)

Lee Pooi See, Ph.D. (National University of Singapore), Assistant Chair (Undergraduate)

Division of Materials Science

The Materials Science Division focuses on materials science related courses and research that form the core of the Materials Science and Engineering Programme. For example: Metals and Ceramics Processing, Mechanical Behavior of Materials, Surface Technologies, Magnetic Materials and Corrosion technologies.

Faculty members

Professor

Professor Christian Kloc, Ph.D. (Polish Academy of Sciences)

Associate Professor

Timothy John White, Ph.D. (Australian National University), Division Head

Chen Zhong, Ph.D. (The University of Reading)

Hng Huey Hoon, Ph.D. (University of Cambridge)

COLLEGE OF ENGINEERING:
SCHOOL OF MATERIALS SCIENCE AND ENGINEERING

Liang Meng Heng, Ph.D. (University of Liverpool)
Oh Joo Tien, Ph.D. (Nanyang Technological University)
Raju V Ramanujan, Ph.D. (Carnegie Mellon University)
Seow Hong Pheow, M.Eng.Sc. (University of Queensland)
Sritharan Thirumany, Ph.D. Associate Dean (Administration) – College of Engineering
(University of Sheffield)
Wim Theo Kooster, Ph.D. (University of Twente)

Assistant Professor

Chen Lang, Ph.D. (University of Maryland)
Dong Zhili, Ph.D. (Tsinghua University)
Madhavi Srinivasan, Ph.D. (National University of Singapore)
Su Haibin, Ph.D. (Stony Brook University)
Wang Junling, Ph.D. (University of Maryland)
Zhao Yang, Ph.D. (University of California)

Teaching Fellow

Cristiano Ferraris, Ph.D. (University of Fribourg)
Long Yi, Ph.D. (University of Cambridge)
Martin Schreyer, Ph.D. (Rheinische-Friedrich-Wilhelm University)

Adjunct Associate Professor

Wu Ping, Ph.D. (University of Montreal)
Yao Kui, Ph.D. (Xi'an Jiaotong University)

Adjunct Assistant Professor

Foo Yong Lim, Ph.D. (University of Illinois @ Urbana-Champaign)
Tan Eng Beng, Geoffrey, Ph.D. (University of Cambridge)

Division of Materials Technology

The Materials Technology Division focuses on technologies and applications that cut across multiple fields of the Materials Science and Engineering Programme. For example : Biomaterials, Microelectronics, Polymer Technologies, and Nanomaterials.

Faculty members

Associate Professor

Subodh G Mhaisalkar, Ph.D. (Ohio State University), Division Head
Hu Xiao, Ph.D. (University of Manchester)
Lu Xuehong, Ph.D. (University of Cambridge)
Romanato Filippo, Ph.D. (Padova University)
Wong Chee Cheong, Ph.D. (Massachusetts Institute of Technology)

Assistant Professor

Alfred Tok Ling Yoong, Ph.D. (Nanyang Technological University)
Andrew Clive Grimsdale, Ph.D. (University of Auckland)
Joachim Loo, Ph.D. (Nanyang Technological University)
Lam Yeng Ming, Ph.D. (University of Cambridge)
Lance Li Lian-Jong, Ph.D. (Oxford University)
Tan Lay Poh, Ph.D. (Nanyang Technological University)
Yan Qingyu Alex, Ph.D. (Stony Brook University)
Zhang Hua, Ph.D. (Peking University)

Teaching Fellow

Dr Bharathi Madurai Srinivasan, Ph.D (Indian Institute of Science)
Dr Lydia Helena Wong, Ph.D (Nanyang Technological University)
Dr Xue Can, Ph.D. (Northwestern University)

Adjunct Associate Professor

COLLEGE OF ENGINEERING:
SCHOOL OF MATERIALS SCIENCE AND ENGINEERING

Alan Sellinger, Ph.D. (University of Michigan)
Han Guchang, Ph.D. (Chinese Academy of Science)
Lim Tock Han, MBBS (Academy of Medicine)
Philip Wong, MBBS
Zhu Furong, Ph.D. (Charles Darwin University)

Adjunct Assistant Professor

Gan Chee Kwan, Ph.D. (University of Cambridge)
Gregory Goh Kia Liang, Ph.D. (University of California)
Ramam Akkipeddi, Ph.D. (National University of Singapore)