



THE HONG KONG INSTITUTION OF ENGINEERS MATERIALS DIVISION

HKIE Materials Division-Annual Report – 2021/22

In the midst of Covid-19 pandemic, it is my pleasure to report the achievements of the Materials Division of the HKIE in another successful year of activities.

Our achievements include a series of well attended key seminars, conference and materials competitions, which have not only enriched our knowledge but certainly have given us pleasurable memories. Details of these activities are given below:

Technical Seminar and Webinar on Underground Utility Surveys based on Non-destructive Testing, Survey and Imaging on 16 August 2021.

Technical visit to Golik Steel Reinforcing Bar Prefabrication Yard on 4 September (co-organized with other Divisions)

Best papers in materials 2021 in September 2021 (co-organized with the Department of Materials Science and Engineering, the City University of Hong Kong).

Technical Seminar and Webinar on Wind Tunnel Study Adopting the Code of Practice on Wind Effects in Hong Kong 2019 on 18 October 2021

Materials Science and Technology in Engineering Conference 2021-Innovative Materials Science and Technology in the Greater Bay Area on 21-22 Oct 2021

Technical Seminar /Webinar on the Application of High Strength Bolts (Tension Control Bolts) on 15 Nov 2021

Technical Seminar /Webinar on From Hong Kong to ISO Accreditation of Gemstone, ISO Fei Cui & Diamond on 4 December 2021 (Co-organized with other Divisions)

Technical Seminar and Webinar on Revolutionary and Sustainable Green Building Materials and Construction Technologies towards Eco-Friendly City on 20 Dec 2021

Innovative Construction Materials Awards 2022 in April/May 2022.

Technical Seminar/Webinar on High-entropy Alloys-Progress and Prospects on 17 Jan 2022

Technical Seminar/Webinar on the Roles of Stainless Steel Pipes in Re-plumbing Works on 28 Feb 2022

Technical Seminar and Webinar on Heritage Waterworks on Hong Kong Island and Kowloon Peninsula on 14 Mar 2022



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Technical Seminar/Webinar on the Use of Artificial Intelligence (AI) and Drone for Building Inspection on 26 Mar 2022

Technical Seminar/Webinar on the Use of Artificial Intelligence (AI) and Drone for Building Inspection Part II on 7 May 2022

How to Become a Materials Engineer under the Materials Discipline on 13 May 2022-04-25

Technical Seminar and Webinar on Use of Granite in Hong Kong and its Exportation in the 19th and 20th Century on 18 May 2022

I would also like to thank our committee members for their support and contribution to the Division activities, especially Ir C S Lam for organizing and coordinating the seminars and visits, Ir Anlam Tam for contributing IT support service, Ir Dr Herbert Zheng for successfully delivering the MaSTEC 2021 conference and Ir Corey Ho for his continuous secretarial support.

I also thank all sponsors, participants and helpers of our events this year. I sincerely wish you all another successful year to come.

Ir Prof Joseph Mak
Chairman, Materials Division of the HKIE, session 2021 - 2022