主辦機構 Organiser

資助機構 Funding Agent

技術提供 Technology Provider

「鋁-錳-銅合金氫燃料電池雙極板製備技術」研討會

"Al-Mn-Cu Alloy Made Hydrogen Fuel Cell Bipolar Plate Fabrication Technology" Seminar

免費網絡研討會 Free Webinar

2024年7月26日 26 July 2024 14:30-17:30	九龍達之路72號 創新中心3號課室及網上直播 Classroom 3, InnoCentre, 72 Tat Chee Avenue, Kowloon and Online Broadcast	普通話 Putonghua	從事汽車零件、鋰電池、電動汽車維修等汽車行業的工程師及技術人員 Engineers and technicians in automotive industry, auto parts, lithium batteries, electric vehicle maintenance

隨著氫能源的不斷發展，對氫燃料電池中的重要元件雙極板的需求也不斷增加。生產力局自行研製的鋁-錳-銅合金製造的燃料電池金屬雙極板，其耐腐蝕性能，導熱性能，導電性以及抗彎抗壓性能優於傳統雙極板材料。

With continuous development of hydrogen energy, demand for bipolar plates, an important component in hydrogen fuel cells, is also increasing. Hong Kong Productivity Council (HKPC) had developed aluminium-manganese-copper alloy fuel cell metal bipolar plate independently, which in high corrosion resistance, thermal conductivity, electrical conductivity, bending and compression resistance when compared to traditional bipolar plate materials.

該材料的可衝壓加工性能良好，可使用衝壓工藝製造燃料電池雙極板，能夠解決傳統材料加工成本高，工藝複雜等問題。

The material has good stamping processability, therefore stamping process is available for manufacture fuel cell bipolar plate, which can solve the problem such as high processing cost and complex process by using traditional material.

每位參加者將獲得《鋁-錳-銅合金氫燃料電池雙極板製備技術》技術指南電子版乙本，指南將在2024年12月31日前通過電郵發出。

Each participant of the seminar will receive an electronic copy of the technical guidebook "Preparation Technology of Aluminium-Manganese-Copper Alloy Hydrogen Fuel Cell Bipolar Plate". This guidebook will be sent via email before 31 December 2024.

簡介 Introduction

「鋁-錳-銅合金氫燃料電池雙極板製備技術」項目由創新科技署轄下的創新及科技基金支持及贊助，汽車科技研發中心及生產力局共同進行。是次研討會將介紹此項目所研發之嶄新技術成果，並向業界展示鋁基合金氫燃料電池雙極板製備技術。

The "Aluminium-Manganese-Copper Alloy Made Hydrogen Fuel Cell Bipolar Plate Fabrication Technology" project is supported and sponsored by Innovation and Technology Fund, administered by Innovation and Technology Commission, and is jointly conducted by Automotive Platforms and Application Systems (APAS) R&D Centre and Hong Kong Productivity Council. This seminar will introduce the latest technological achievement developed throughout this project and demonstrate the aluminium-based alloy hydrogen fuel cell bipolar plate fabrication technology to the industry.

研討會大綱 Seminar Outline

時間 Time	內容 Content	講者 Speaker
14:30 – 17:30	– 生產力局最新研發技術介紹 Introduction to HKPC latest R&D technologies – 燃料電池雙極板製備技術研發成果 R&D results of fuel cell bipolar plate fabrication technology – 氫燃料電池及雙極板製備與工藝實驗室參觀 Visit to laboratory of hydrogen fuel cell and bipolar plate manufacture and process	楊浩坤博士 Dr Haokun YANG

講者 Speaker

楊浩坤博士 Dr Haokun YANG

生產力局 Hong Kong Productivity Council

智能製造部 Smart Manufacturing Division

高級顧問 Senior Consultant

報名方法 Registration

請掃瞄二維碼或進入以下網頁查閱詳情。

Please scan the QR code or enter the following webpage for details.

https://campaigninfo.hkpc.org/tc-rsvp-al-mn-cu-alloy-fuel-cell-bipolar-plate-seminar

支持機構 Supporting Organisation

香港汽車零部件工業協會 Hong Kong Auto Parts Industry Association

香港金屬製造業協會 The Hong Kong Metals Manufacturers Association

查詢 Enquiry
王先生 Mr Eric WANG | +852 2789 7929 | ericwang@hkpc.org
盧先生 Mr Heath LO | +852 2788 5749 | heathlo@hkpc.org