

機器學習於材料資訊的應用

Machine Learning on Material Informatics

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Homework

□ 頂尖人工智慧開發人員大會GTC2023(請報名)

□ <https://www.nvidia.com/zh-tw/gtc/>

- Healthcare – Medical imaging
- Healthcare – Drug Discovery, Genomics
- HPC - Computational Chemistry and Materials Science
- HPC - Computational Physics
- HPC - Quantum Computing
- HPC – Supercomputing
- Product Development - Design, Engineering and Manufacturing

□ 心得繳交規定：

- 可依個人專長與興趣選擇主題，挑選一場演講撰寫心得(請在文章開頭簡述為何做此選擇)
- 字數不超過2000字。
- 請以此報告為主體，網路其他內容可做為參考，不要複製貼上(我不想用原創性比對)。
- 不要用chatgpt寫報告。

☐ My Interests

Industry Segment

☒ All Industries

☐ Agriculture

☐ Architecture / Engineering / Construction

☐ Automotive / Transportation

☐ Cloud Services

☐ Consumer Internet

☒ Energy

☐ Financial Services

☐ Game Development

☐ Hardware / Semiconductor

☒ Healthcare & Life Sciences

☐ Higher Education / Research Institution

☐ Manufacturing

☐ Media & Entertainment

☐ Other

☐ Public Sector

☐ Restaurant / QSR

☐ Retail

☒ Supercomputing

☐ Telecommunications

All Sessions (11)Mon, Mar 20 (1)Tue, Mar 21 (2)Wed, Mar 22 (2)Thu, Mar 23 (4)Fri, Mar 24 (2)On Demand (0)

Keynote

GTC 2023 Keynote [S52226]

☆

Don't miss this keynote from NVIDIA Founder and CEO, Jensen Huang. He will share how NVIDIA's accelerated computing platform is driving the next wave in AI, the metaverse, cloud technologies and sustainable computing.

Jensen Huang, Founder and CEO, NVIDIA

Industry: All Industries

Topic: AI Strategy for Business Leaders

Add to Schedule🕒

Tuesday, Mar 21 | 11:00 PM - 12:30 AM CST

DLI Full-Day Workshop \$

AI 電腦視覺於工業檢測之應用* [DLIW52098]

☆

本課程將協助你了解如何設計、訓練、測試和部署一個以硬體加速為基礎的工業檢測之資料轉化整合(industrial inspection pipeline)模塊。本實作坊將帶你探索如何去建立一個深度學習模型，並使用實際生產所得到的數據集來自動驗證 NVIDIA 印刷電路板 (PCB) 中的電容器，本方法可廣泛應用於各種製造業，能協助降低驗證成本並提高生產量。你將學會：

- 使用 Pandas DataFrame 和 NumPy...

Andrew Liu (Worldwide Field Ops), 資深資料科學家, NVIDIA

Industry: Manufacturing

Topic: Manufacturing - Inspection / Predictive Maintenance / Logistics

Add to Schedule🕒

Tuesday, Mar 21 | 10:00 AM - 6:00 PM CST

Join Session

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Watch Party

Watch Party: 利用 NVIDIA 預先訓練的模型，加快建立損失預防應用程式速度 (中文技術講解) [WP52043]

☆

本場 GTC Watch Party 是由 NVIDIA 團隊所主持，將由台灣的技术專家以中文講解，並導讀國外精選演講—會中可以即時與講師互動、發問，歡迎您一起加入討論。

由 NVIDIA Po-Chun Lai 主持 (請注意：由於時區差異，本場講座的原講者可能不會參加。)

此議程中，將展示開發人員如何使用新的零售預訓練模型和 Metropolis SDK...

Paul Hendricks, Senior Data Scientist, NVIDIA

Industry: Retail / Consumer Packaged Goods

Topic: Retail - Intelligent Stores / Logistics / Data Science

Add to Schedule🕒

Thursday, Mar 23 | 2:00 PM - 3:30 PM CST

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