



國立成功大學工學院通訊

NCKU College of Engineering
E-NEWS



學院快訊

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成大歡慶創校 91 年表揚校友傑出成就獎 8 人，其中 5 人為工學院校友。

8 alumni with Outstanding Achievement Awards, 5 of whom were alumni of the College of Engineering, were publicly commended at the NCKU 91st anniversary ceremony.

[【91週年校慶】邁向百年精彩榮光 成大歡慶創校 91 年表揚校友傑出成就獎 8 人/新聞中心](#)

本院與理學院模組化課程合作討論會議

A meeting to discuss the collaboration and the practical execution of the Modular-Course led by Dean Jan and the head of the College of Science was held on Nov. 16.

本院詹錢登院長與朱聖浩副院長、張鑑祥副院長及機械系屈子正主任，於11月16日至理學院了解模組化課程推動情形，並討論未來可能的合作方式。



中研院第33屆新科院士安介南拜訪本院

Professor Kai-Nan An, the Academician of Academia Sinica, visited the College of Engineering on Nov. 21 to exchange ideas on innovative education and industry-academia collaboration.

今年入選中研院第33屆院士的安介南教授偕同羅應成博士於11月21日拜訪本院，並與本院詹錢登院長、羅裕龍副院長、張鑑祥副院長等人交流創新教育及產學合作的想法。

印度SRMIST校長拜訪本院院長

Professor C. Muthamizhchelvan, Vice Chancellor of the SRM Institute of Science and Technology, visited Dean Jan on Nov. 25 to promote mutual understanding and future collaboration.

印度SRM Institute of Science and Technology校長Prof. C. Muthamizhchelvan於11月25日拜訪本院詹院長，雙方就工程領域相關學研議題進行交流。SRMIST是一所位於印度清奈附近的私立學校，創立於1985年，各校區學生總人數超過52,000人，亦為SATU校長論壇會員校。此次訪問除促進雙方認識，也開展進一步合作的可能性。



蘇副校長與院長拜訪馬來亞大學

Vice President Su and Dean Jan visited Universiti Malaysia(UM) on Dec. 13 and exchanged ideas for further collaborations. UM is a comprehensive university and interacts closely with NCKU.

院長與蘇副校長於12月13日拜訪馬來西亞馬來亞大學，與該校執行副校長Prof. Ir. Dr. Shaliza Ibrahim等人進行交流。馬來亞大學為一綜合型大學，學生人數約30,000人，與本校互動密切，亦為本校三大海外基地據點之一。



2022 GRAND REVIEW 博士生暨博士後研究學術競賽

The Office of Research and Development of NCKU and the College of Engineering provide grants for the 2022 Grand Review Competition to encourage Ph.D. students and postdoctoral researchers to engage in creative research and study.

本院辦理2022「Grand Review 博士生暨博士後研究學術競賽」，鼓勵具有研究潛力之優秀博士生及本校博士級研究人員積極從事創新研究工作，計有20名博士生及6名博士後研究員獲獎。



本院111學年度整潔競賽圓滿落幕

The COE 2022 cleanliness competition was successfully concluded on Oct. 19. Dean Jan appreciated that the departments made perpetual efforts to preserve the environment.

本院於10月19日進行系所整潔競賽，由院長帶領3位副院長及工科系潘文峰主任至各系所實地訪評，院長讚許各系所對於環境綠化及美化的努力與付出。

評選結果：化工系及機械系獲特優，水利系、航太系及環工系獲優等，系統系獲進步獎，並於12月1日院務會議進行頒獎。



朱副院長出席美國大氣研究中心來訪交流會議

Dr. Everette Joseph, Director of National Center for Atmosphere Research, visited NCKU on Nov. 21. Vice Dean Ju attended the meeting and introduced College of Engineering to the guests. The delegation also visited Dept. of Hydraulic and Ocean Engineering to discuss further collaborations.

美國大氣研究中心主任Dr. Everette Joseph於11月21日訪問本校，本院朱副院長代表出席進行工學院簡報並與外賓進行交流。外賓稍晚並拜會水利系，就防災、環境相關議題交換意見及研商未來可能的合作方向。



榮譽榜



111年度校友傑出成就獎-恭喜機械系59級蘇玉本、土木系60級張陸滿、機械系67級嚴瑞雄、環工系69級林釗信及材料所博士班78級林峯輝學長！



機械系羅裕龍教授及醫工系蘇芳慶教授
榮獲本校111學年度新聘講座

環工系林財富講座教授榮獲本校第一屆「長虹講座教授」



長虹董事長李文造(土木系56級校友)回饋母校，設置「長虹教育基金會講座教授」，獎掖成大工學院及規劃與設計學院延攬國際知名教授，或研究成果傑出，可提高成大國際影響力的專任新進教授。此捐贈旨在鼓勵具有國際能見度的亮點研究，期盼吸引更多跨域整合人才至成大培育新世代菁英。



111年度科林研發論文獎暨傑出科技獎學金本院獲獎名單

傑出科技獎學金：張以謙/指導教授：陳嘉勻
材料科學及工程學系



傑出女性科技獎學金：黃鑫雯/指導教授：李玉郎
化學工程學系



NCKU-NOVA辰星獎學金本院獲獎名單

土木工程學系李岳娣同學-於2022年8月前往美國伊利諾大學厄巴納-香檳分校就讀雙學位
能源國際學士學位學程黃亮瑜同學-將於2023年3月前往奧地利因斯布魯克專業高等學院交換
資源工程研究所詹喻涵同學-將於2023年3月前往德國慕尼黑工業大學交換

[成大機械系劉彥辰團隊結合機器學習提出新型態架構 大幅提升無人旋翼機動態性能/新聞中心](#)

Team led by Prof. Yen-Chen Liu from the Department of Mechanical Engineering in NCKU develops novel architecture to improve performance of unmanned rotorcraft.

[自然共存的藝術軟實力 成大「藝閃發光植物」榮獲美國紐約 Muse Design Award 設計獎與國科會未來科技獎/新聞中心](#)

The NCKU "Lighting Art Plant" won the Muse Design Award in New York, USA and 2022 NSTC Future Tech Award.

[成大材料系劉浩志團隊結合機器學習減少原子力顯微鏡量化量測誤差/新聞中心](#)

The research team led by Bernard Haochih Liu from the Department of Materials Science and Engineering adopted machine learning to reduce the quantitative measurement error of the atomic force microscope.

[便宜綠氫不是夢 成大丁志明團隊開發高熵合金薄膜催化劑登國際期刊/新聞中心](#)

Cheap green hydrogen is not a dream: the research team led by Prof. Jyh-Ming Ting from the Department of Materials Science and Engineering develops groundbreaking high-entropy thin-film catalyst.

[教育部 UFO 新書發表暨前瞻跨域教育書展 首站在成大登場/新聞中心](#)

The MOE University Foresight Education Project (UFO) New Book Launch and the Book Fair were first held in NCKU from Oct. 26 to Nov. 25.

[【影音】2050 淨零行動首發 成大舉辦碳中和技術與人才培育基地論壇/新聞中心](#)

NCKU held the forum on carbon-neutral technology and talent cultivation for 2050 Net Zero Action.

[台灣 2050 淨零排放 15 國學者專家齊聚成大綠色魔法學校探討資源再生與循環經濟/新聞中心](#)

Experts from 15 countries gathered at NCKU Magic School of Green Technologies to participate in the 16th East Asia Resources Recycling Technology Forum, discussing resource regeneration and circular economy to achieve the 2050 Net Zero goal.

[〈校園廣角鏡〉張祖恩獲 日東北大學國際功勞賞/中華日報](#)

Congratulations! Prof. Juu-En Chang won the Tohoku University International Award.

[挑戰太空任務 成大 iGEM 團隊遠赴巴黎七度奪金/新聞中心](#)

MerSe, a team from National Cheng Kung University, won the gold medal in the International Genetically Engineered Machine Competition (iGEM) which was held in Paris in October. The team takes gradual steps to realize human's dream of space exploration and this is the 7th gold medal for NCKU.

[成功大學兩節式混合火箭 於旭海科研火箭發射場成功發射/新聞中心](#)

[【成功專欄】趙怡欽講座教授：成大跨領域團隊試射兩節式試驗型混合火箭 完成部分飛行任務與酬載試驗/新聞中心](#)

The NCKU two-stage hybrid rocket successfully lifted off the Xuhai Scientific Research Rocket Launch Site on Nov.8.



成大與晶英酒店攜手推出「忘憂珍珠」 助創新科研成果產業化/台灣好新聞

NCKU cooperated with Silks Place Tainan to launch "MenTAUR", which was a successful model of industry-academia achievement.

成大 4 教授入選科睿唯安 2022 年度高被引學者/新聞中心

Four professors from NCKU, including Prof. Wei-Hsin Chen from the Department of Aeronautics and Astronautics, have been selected as 2022 Highly Cited Researchers by Clarivate Analytics.

高效輕量既環保又安全 成大材料系發表可充放電的固態鐵電池/新聞中心

The research team led by Prof. Fei-Yi Hung from the Department of Materials Science and Engineering releases a rechargeable solid-state iron battery, which is high-efficiency, lightweight, environmentally friendly and safe.

成大航太系助理教授闕志哲參與國際性活性流體研究 成果刊登 Nature Communications/新聞中心

Assistant Prof. Chih-Che Chueh from the Department of Aeronautics and Astronautics participated in the international research on active fluids, and the achievements were published in Nature Communications.

【91週年校慶】【影音】第七屆成材產業論壇 科技躍進 金屬材料創新/新聞中心

The Department of Materials Science and Engineering holds the 7th NCKU Material Industry Forum on the theme "Science and Technology Advancement- Metal Material Innovation."

【91 週年校慶】成大企業家論壇展望太空科技與國防產業前景/新聞中心

NCKU Entrepreneur Forum was held on Nov. 11, which emphasized the prospects of space technology and defense industry.

成功大學惠特講堂啟用/工商時報

The official inauguration of the NCKU Fittech Lecture Hall took place on Nov.5.



「找樹的人-巨木地圖計畫」成果發表 成大測量系王驥魁教授透過空載光達找到台灣最高、東亞最高的樹/新聞中心

Prof. Chi-Kuei Wang from the Department of Geomatics found the tallest tree in Taiwan and East Asia through airborne LiDAR, and published the achievement as "Tree Finder-Giant Trees Map Project."

貝克休斯油田服務與裝備公司贈成大高值軟體 產學齊力推展減碳與地熱能源開發技術/新聞中心

Baker Hughes Company donated high-value software to NCKU for the promotion of reduced carbon emissions and geothermal energy development technology.

植物性潤滑油環保減碳可望翻轉市場 成大鄭友仁研究團隊登上「Applied Materials Today」封面/新聞中心

The research team led by Prof. Yeau-Ren Jeng from the Department of Biomedical Engineering discovered plant-based lubricants which fulfilled environmental protection and carbon reduction, and the achievements were published on the cover of "Applied Materials Today".

水利系夏宇新榮獲日本衛星設計競賽「電子情報通信學會獎」

Mr. Yu-Xin Xia from the Department of Hydraulic and Ocean Engineering won the IEICE Award in the Satellite Design Contest.