



前瞻技術之學研合作

Academic-Research Cooperation for Advanced Technology

計畫名稱 Name of Project	學校 Name of University	研究名稱 Research Topic
金屬中心產業技術環境建構計畫 (3/5) The Infrastructure Project of the Industrial Technologies of MIRDC (3/5)	國防大學 National Defense University	電化學加工電極絕緣層材料與固著技術之研究 Study on Electrode Material and Fixing Technique of the Insulating Layer for Electrochemical Machining
金屬中心產業技術環境建構計畫 (3/5) The Infrastructure Project of the Industrial Technologies of MIRDC (3/5)	逢甲大學 Feng Chia University	三維非均勻圓錐角齒形輪廓參數化控制之研究 Study on Controlling 3D Profile Parameters for Bevel Gears
金屬中心產業技術環境建構計畫 (3/5) The Infrastructure Project of the Industrial Technologies of MIRDC (3/5)	國立臺灣大學 National Taiwan University	熱沖壓接觸熱傳係數之量測方法與實驗平台建立 Establishment of Measuring Method and Experimental Platform for Heat Transfer Coefficient in the Hot Stamping Process
金屬中心產業技術環境建構計畫 (3/5) The Infrastructure Project of the Industrial Technologies of MIRDC (3/5)	國立虎尾科技大學 National Formosa University	機械視覺整合運動控制之 Model-based Design 開發與驗證技術研究 Model-based Design Development and Certification of Machine Vision Integrated Motion Control Technology Research
機械與系統領域工業基礎技術研究計畫 (1/4) Machinery and Systems Fundamental Industrial Technology Development Program (1/4)	國立臺灣大學 National Taiwan University	馬達矽鋼片單片外型沖切成形模式研究 A study on Forming Mode in the Punch Shearing of Silicon Steel Sheet for Motors
高值牙科植入物創新研發與醫療器材產業服務四年計畫 (2/4) The High Value Dental Implants Innovation R&D and Medical Device Industrial Services (2/4)	義守大學 I-Shou University	具深度控制功能之旋轉式鼻竇增高器開發試製 Trial Production of Sinus Augmentation Instruments with Depth Control
高值牙科植入物創新研發與醫療器材產業服務四年計畫 (2/4) The High Value Dental Implants Innovation R&D and Medical Device Industrial Services (2/4)	國立陽明大學 National Yang-Ming University	新型人工牙根之動物實驗 Animal Tests of New-type Dental Implants
高值牙科植入物創新研發與醫療器材產業服務四年計畫 (2/4) The High Value Dental Implants Innovation R&D and Medical Device Industrial Services (2/4)	逢甲大學 Feng Chia University	陶瓷植體生物活性表面改質與促進軟組織癒合之鈦支台體整合效果之體外評估 Characterization of Surface Treatment on Bioactive Ceramic Implant and Ti Abutment for Improving Soft Tissue Recovery in Vitro
高值牙科植入物創新研發與醫療器材產業服務四年計畫 (2/4) The High Value Dental Implants Innovation R&D and Medical Device Industrial Services (2/4)	國立屏東科技大學 National Pingtung University of Science and Technology	陶瓷鑽削器械設計參數最佳化 Optimization of Design Parameters for Ceramic Drilling Device
Class II 以上醫材快速試製服務計畫 Rapid Prototyping Service Center for Class II and above Medical Device	國立陽明大學 National Yang-Ming University	微創醫材之手術行為設計、分析及體外模擬試驗 Surgical Behavior Design, Analysis and in Vitro Simulation of Minimally-invasive Medical Devices
Class II 以上醫材快速試製服務計畫 Rapid Prototyping Service Center for Class II and above Medical Device	國立臺北科技大學 National Taipei University of Technology	微創醫材原型品組裝可靠性 / 功能試驗 Assembly Reliability and Functional Tests of Prototype for Minimally-invasive Medical Device
Class II 以上醫材快速試製服務計畫 Rapid Prototyping Service Center for Class II and above Medical Device	國立高雄第一科技大學 National Kaohsiung First University of Science and Technology	微創醫材原型品臨床模擬試驗 Clinical Simulation Tests of Prototype for Minimally-invasive Medical Device
車輛開放式底盤平台關鍵技術暨產業化建構計畫 (1/4) Key Technologies and Industrialization Project of Vehicle Open Chassis Platform(1/4)	國立屏東科技大學 National Pingtung University of Science and Technology	懸吊等效模型建置與分析 Suspension Equivalent Modeling Setup and Analysis
車輛開放式底盤平台關鍵技術暨產業化建構計畫 (1/4) Key Technologies and Industrialization Project of Vehicle Open Chassis Platform (1/4)	國立臺北科技大學 National Taipei University of Technology	新型硬點可調式前輪懸吊系統之發展 Development of A New Front suspension System with Adjustable Hardpoint
軟性電子次世代設備及模組技術開發三年計畫 (2/3) The Three-year Project for Next Generation Flexible Electronics Equipment and Module Technical Development (2/3)	國立中正大學 National Chung Cheng University	大面積捲對捲自調式刮刀塗佈研究 Research on Large-Area Roll-to-Roll Self-Adjusting Blade Coating
CIGS 太陽能電池關鍵技術開發三年計畫 (2/3) Key Technologies Development Program of CIGS Solar Cell (2/3)	國立虎尾科技大學 National Formosa University	可撓式基板上之透明導電膜製程與機械撓曲特性研究 A study on the Transparent Conductive Film and Mechanic Flexibility on the Flexible Substrate
高值化金屬材料暨製造技術研發計畫 (1/4) Value-added Heightening Metal Materials and Manufacturing Technologies Research Project(1/4)	國立成功大學 National Cheng Kung University	鎳鈦合金成份特性分析 The Nitinol Composition Characteristics Analysis
高值化金屬材料暨製造技術研發計畫 (1/4) Value-added Heightening Metal Materials and Manufacturing Technologies Research Project(1/4)	國立高雄應用科技大學 National Kaohsiung University of Applied Sciences	粉體熱壓成形之變形與方向性模擬分析 Distortion and Directional Simulation Analysis of Powder by Hot Forming Process

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高值化金屬材料暨製造技術研發計畫 (1/4) Value-added Heightening Metal Materials and Manufacturing Technologies Research Project(1/4)	國立高雄第一科技大學 National Kaohsiung First University of Science and Technology	鋁合金異型材抽製之應力回彈及尺寸補償分析 The Drawing Stress Springback and Dimensional Compensation Analysis of Aluminum Alloy Variable Material
智慧綠能電子 / 車電關鍵技術計畫 (3/5) Intelligent Green/Car Electronics Technology(3/5)	國立勤益科技大學 National Chin-Yi University of Technology	雙電源平衡模組之冗餘技術開發 Redundancy Technology Development for Battery Balance Module with Dual Power Source
智慧綠能電子 / 車電關鍵技術計畫 (3/5) Intelligent Green/Car Electronics Technology(3/5)	國立中山大學 National Sun Yat-sen University	Font-end 高壓高精度晶片系統整合技術研製計畫 Integration Technology Development of High Voltage Precision Analog Front-end SoC System
機械與系統領域工業基礎技術研究計畫 (1/4) Machinery and Systems Fundamental Industrial Technology Development Program(1/4)	國立臺北科技大學 National Taipei University of Technology	鑄鐵結構件超音波微結構及應力分析技術 Ultrasound technique and stress analysis for the determination of Cast iron microstructure
機械與系統領域工業基礎技術研究計畫 (1/4) Machinery and Systems Fundamental Industrial Technology Development Program(1/4)	國立臺北科技大學 National Taipei University of Technology	鋁合金試片熱傳導率量測與合金元素之影響研究 The Influence of Thermal Conductivity of Aluminum Specimen on Alloying Elements
牙科醫學影像創新技術與檢測建置開發計畫 (1/1) The Development Program of Dental Image Innovative Technology and Image Detection Implementation (1/1)	亞東技術學院 Oriental Institute of Technology	微波影像天線特性分析研究 Antenna Performance Analysis for Microwave Imaging
牙科醫學影像創新技術與檢測建置開發計畫 (1/1) The Development Program of Dental Image Innovative Technology and Image Detection Implementation (1/1)	國立陽明大學 National Yang-Ming University	臨床醫學影像分析處理與應用研究 The Study of Medical Image Processing, Analysis, and Applications
數位牙科口內掃描系統建置暨關鍵技術開發 (1/1) Implementation and Key Technology Development of Digital Dental Intraoral Scanning Systems (1/1)	國立中正大學 National Chung Cheng University	牙體 CAM 系統暨後處理程式計算法開發 Development of NC post of Dental CAM system
數位牙科口內掃描系統建置暨關鍵技術開發 (1/1) Implementation and Key Technology Development of Digital Dental Intraoral Scanning Systems (1/1)	義守大學 I-Shou University	Ultra Fast Optical Sectioning/Confocal microscope 取像建模方法技術分析 Technique Analysis of Ultra Fast Optical Sectioning / Confocal Microscopic Modeling
數位牙科口內掃描系統建置暨關鍵技術開發 (1/1) Implementation and Key Technology Development of Digital Dental Intraoral Scanning Systems (1/1)	國立清華大學 National Tsing Hua University	光束成型元件設計研究 Design and evaluation of laser beam shaping element
數位牙科口內掃描系統建置暨關鍵技術開發 (1/1) Implementation and Key Technology Development of Digital Dental Intraoral Scanning Systems (1/1)	國立成功大學 National Cheng Kung University	口內掃描系統專利佈局分析暨試用評估 Patent Analysis and Trial Evaluation for Intraoral Scanner System
牙科矯正治療系統開發計畫 (1/1) Development of Orthodontic Treatment System(1/1)	中國醫藥大學 China Medical University	齒顎形態參數與牙冠位置變化量測 Measurement in Morphological Parameters of Dentition and Displacement Changes of Dental Crown
牙科矯正治療系統開發計畫 (1/1) Development of Orthodontic Treatment System(1/1)	國立陽明大學 National Yang-Ming University	齒顎形態參數與牙冠位置變化量測 Measurement in Morphological Parameters of Dentition and Displacement Changes of Dental Crown
牙科矯正治療系統開發計畫 (1/1) Development of Orthodontic Treatment System(1/1)	義守大學 I-Shou University	齒顎形態參數與牙冠位置變化量測 Measurement in Morphological Parameters of Dentition and Displacement Changes of Dental Crown
牙科矯正治療系統開發計畫 (1/1) Development of Orthodontic Treatment System(1/1)	中國醫藥大學 China Medical University	齒顎矯正治療病例資料建構與分析 Collection and Analysis of Orthodontic Clinical Data
牙科矯正治療系統開發計畫 (1/1) Development of Orthodontic Treatment System(1/1)	台北榮民總醫院 Taipei Veterans General Hospital	齒顎矯正治療病例資料建構與分析 Collection and Analysis of Orthodontic Clinical Data
牙科矯正治療系統開發計畫 (1/1) Development of Orthodontic Treatment System(1/1)	高雄醫學大學 Kaohsiung Medical University	齒顎矯正治療病例資料建構與分析 Collection and Analysis of Orthodontic Clinical Data