**SATU International Secretariat**

2018

**2018 SATU JRS Call for Co-PIs**

**Application Form**

**NCKU**



**BACKGROUND**

Since 2012, the SATU International Secretariat has started the Joint Research Scheme project, supported by all member universities in promoting continued and strong collaborative ties among researchers from different universities under the infrastructure of SATU. For results of 2012 - 2017 JRS projects, please visit our website at http://satu.ncku.edu.tw/files/11-1082-1367.php?Lang=en

**APPLY**

Please refer to Appendix 1 for the 2018 SATU Joint Research Scheme Projects List for projects open for Co-PI applications in this session. Those interested in participating in 2018 SATU Joint Research Scheme as Co-Principle Investigators shall fill out the application form from the next section. Please note that each application has to be acknowledged by the office in charge of SATU matters of its own university to be complete. Applications shall be sent, via email, by the office in charge of SATU matters in one batch to the SATU International Secretariat by May 26, 2018.

**PLEASE NOTE**

* SATU International Secretariat does not provide any funding to PIs and Co-PIs.



# **2018 SATU Joint Research Scheme Program Co-Principal Investigator (Co-PI) Application Form**

 Date: / / (year /month/day)

Please select one project you intend to apply and enter its code in the box below. For the projects list, please check Appendix 1.

|  |
| --- |
| Code |

**1. Personal Information**

|  |  |
| --- | --- |
| Passport Name |  |
| Nick Name-if any |  |
| Nationality |  | Gender | □M | □F |
| Address |  |
| Telephone | (Office) | (Home / Mobile) |
| Fax Number |  | E-mail |  |
|  |



**2. Education** (Begin with highest degree earned; if degree is pending, please so indicate.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Institution | Nation | Department/Program | Degree | Dates |
|  |  |  |  | From / to /  |
|  |  |  |  | From / to /  |
|  |  |  |  | From / to /  |
|  |  |  |  | From / to /  |
|  |  |  |  | From / to /  |

**3. Current Position and Professional Experience** (Indicate full-time positions in research, beginning with current position)

|  |  |  |  |
| --- | --- | --- | --- |
| Institution | Department/Program | Position | Duration |
|  |  |  | From / to /  |
|  |  |  | From / to /  |
|  |  |  | From / to /  |
|  |  |  | From / to /  |
|  |  |  | From / to /  |

**4. Fields of Expertise** (List primary and secondary expertise in research-related disciplines)

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | 2. | 3. | 4. |

## 5. Research Topic and Abstract of Research Project

Please describe briefly the proposed research project, including the aims, envisaged results and benefit to both sides from this collaboration, and its potential impact.



**6. Outputs**

Please explain the proposed output of the research, and the plans for publication or other dissemination. Please also state the policy agreed between the two groups concerning publication of results and the attribution and exercise of Intellectual Property Rights (IPR).

**7. Publication List:**

(1) Please list all papers or works published in the past five years, including articles

published in periodicals, books, conference papers, technical reports, etc. (List in descending order of importance.)

(2) List all works in order of publication date. Provide information on each work in

this order: names of authors (in the order as published, mark corresponding author with an asterisk\*), year and month of publication, title, name of journal (and publisher), and page numbers. For works that have been accepted for publication but not officially printed, attach publisher’s letter of acceptance.

(3) Indicate if a paper has been indexed in the Science Citation Index, Engineering

Index, Social Science Citation Index or Arts & Humanities Citation Index.

8. **Acknowledgement** (**by the office in charge of the SATU matters**)

|  |
| --- |
| Name:Title:**(signature or stamp)****Date: / / (yyyy/mm/dd)** |
| This is to certify that the applicant is a scholar/researcher of the member university**Please email to** **satu@email.ncku.edu.tw** **before 2018.5.26 for application with the subject line: < 2018 SATU JRS Co-PI application –Project Topic>. Thank you.** |

Appendix 1

**2018 SATU Joint Research Scheme Projects List**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Principal Investigator (PI)** | **Co-PI from same unit** | **Host Unit** | **Project Title and Project Details hyper link for Gmail users** | **Hyper link of Project Details for non-Gmail users** |
| **UM 1** | Profesor Dr. Saad Mekhilef | Profesor. Ir. Dr. Hazlie Mokhlis | Electrical Engineering | [Modified incremental conductance MMPT Technique for Photovoltaic System under Fast Varying Solar Irradiation and Load Resistance](https://drive.google.com/open?id=15fLqQI3FxN708S2FRgaxsHNVWnmfVMBF) | <https://mybox.ncku.edu.tw/navigate/s/7899FC14BE594618BDB3110780FD5389GSY> |
| **UM 2** | Dr. Lai Chin Wei | Professor Dr. Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Anti-reflective coatings on multi-crystalline silicon solar cells](https://drive.google.com/open?id=1NOI01hqBPPhzZ4O684tV0VYbkHDb9Zac)  | <https://mybox.ncku.edu.tw/navigate/s/83B1F3BAD14D43FE8BFF0E90BB401B37GSY> |
| **UM 3** | Dr. Lai Chin Wei | Professor Dr. Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Remediation of wastewater using an advanced photocatalysis oxidation process](https://drive.google.com/open?id=146Qvu7prqBKdrAJXmwHDNhKpw6dbtT7S) | <https://mybox.ncku.edu.tw/navigate/s/29FB3A0DFD194340A876286676706D28GSY> |
| **UM 4** | Dr. Lai Chin Wei | Professor Dr. Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [New visible-light active semiconductors for solar driven water splitting](https://drive.google.com/open?id=1jQswfCsJRd72trVdv446TQO3CTjaBeSm) | <https://mybox.ncku.edu.tw/navigate/s/5C790A495B9845948A04B9F55D5A43B9GSY> |
| **UM 5** | Profesor Ir. Dr. Ching Yern Chee | Mohd Abdul Cader Mohd Haniffa  | Department of Chemical Engineering, Faculty Of Engineering  | [Development of Aeronautic Composites Utilizing Biobased Resin Polymer](https://drive.google.com/open?id=1RCC_4l4XE0CWkITfleDBQIjzCE_JAJr-) | <https://mybox.ncku.edu.tw/navigate/s/A46F9F486EB747D8869B5A8F3658066CGSY> |
| **UM 6** | Profesor Ir. Dr. Ching Yern Chee | Thennakoon Mudiyanselahe Sampath Udeni Gunathilake | Department of Chemical Engineering, Faculty Of Engineering  | [Micro and Nano-Porous Cellulose based Composite Materials Prepared by Environmental Friendly Processes](https://drive.google.com/open?id=1IirZpgor_QEDitzia2-PinhJQdC_81Wv) | <https://mybox.ncku.edu.tw/navigate/s/3B43C1B4A3194070A110F2AEF345EDDDGSY> |
| **UM 7** | Profesor Ir. Dr. Ching Yern Chee | Dr. Nur Awanis Hashim | Department of Chemical Engineering, Faculty Of Engineering  | [Microstructural and Rheological Properties of Nanocellulose Based Biopolymer Composites](https://drive.google.com/open?id=1klepms1p5nAsETjFqPuZBttTJ3H1-ACM) | <https://mybox.ncku.edu.tw/navigate/s/2172528EECBF427D9A33888B588D1879GSY> |
| **UM 8** | Ir. Dr. Wong Yew Hoong | Associate Prof. Dr. Tan Chou Yong | Department of Mechanical Engineering, Faculty Of Engineering  | [High-k Gate Dielectric on Semiconductor Substrate](https://drive.google.com/open?id=123NbusDxu4itC8-fxTa698RreU4nvGBV) | <https://mybox.ncku.edu.tw/navigate/s/2967FFF6D9424B518E508FAC1BE72953GSY> |
| **UM 9** | Dr. Choo Yeun Mun | N/A | Department of Chemistry, Faculty of Science | [Discovery of potent CYP51 and Lactate Dehydrogenase Inhibitors from Malaysia Traditional Medicinal Plants and Development of Their Nano-Transdermal Carrier](https://drive.google.com/open?id=16TZCnItLD5zrWZ7jH37y16pHJRLDNKA4) | <https://mybox.ncku.edu.tw/navigate/s/962CBBF722F24B0385D8A4288535AB19GSY> |
| **UM 10** | Dr. Huang Chih-Chia | Prof. Dr. Harith Ahmad | Department of Photonics, College of Sciences | [Design of compact, low cost UV Laser System For Water Purification](https://drive.google.com/open?id=1BSEDIRkUKJMR7VAEuuVaw8dvRBrWDJvx) | <https://mybox.ncku.edu.tw/navigate/s/83A83D21338B4B65BD9A7F5CEBFDD52FGSY> |
| Dr. Mohd Zamani Zulkifli |
| **UM 11** | Dr. Azman Ma'amor | Dr. Nor Saadah Binti Mohd Yusof | Department of Chemistry, Faculty of Science | [Synthesis of nano-hydroxyapatite from natural clamshell using optimized sonochemical method for biomedical applications](https://drive.google.com/open?id=1pzRmDQqE3vPPnMe8YJdjXWspZAuoDl9W) | <https://mybox.ncku.edu.tw/navigate/s/927C094B97804356AE12B7CD2FECAF3DGSY> |
| **UM 12** | Dr. Nurhidayatullaili Muhd Julkapli | Dr. Wageeh Abdulhadi Yehya Dabdawb | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Development on nanocellulose conjugated gold drug delivery system for cancer treatment application](https://drive.google.com/open?id=1hnsgdYXGDcBYASSVhz6IqoSfHH8CcIr3) | <https://mybox.ncku.edu.tw/navigate/s/DCC05D83FD734459B941BCBA4315FF25GSY> |
| **UM 13** | Dr. Nurhidayatullaili Muhd Julkapli | Dr. Zaira Zaman Chowdhury | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Highly oil dispered functionalized graphene based Nanoconposites as Lube Oil Friction Modifier: Lubricity and Tribology Studies](https://drive.google.com/open?id=1YlQ2uEj1j38daQYVP1VtB0As5_tDoWwe) | <https://mybox.ncku.edu.tw/navigate/s/A0A19F9140AC465B92D75B7D817C599AGSY> |
| **UM 14** | Dr. Nurhidayatullaili Muhd Julkapli | Dr. Azman Maamor | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Solar driven Graphene oxide-gold grafted photocatalysts: An efficient photodegradation of Pollutant organic compounds (POPs)](https://drive.google.com/open?id=14-do7eZEKX4y5Vta_yB-OBkVdBOZTS5p) | <https://mybox.ncku.edu.tw/navigate/s/429B68B7D5644163AD1776D3ACD0399AGSY> |
| **UM 15** | Dr. Nurhidayatullaili Muhd Julkapli | Dr. Wageeh Abdulhadi Yehya Dabdawb | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Fabrication of coordination gold-graphene composite by laser deposition technique for cancer treatment application](https://drive.google.com/open?id=13Hq6eNYOIewv6V3wzwOwlUXyrwTbbG76) | <https://mybox.ncku.edu.tw/navigate/s/D931151513C74D5F968BA058EBC41FC7GSY> |
| **UM 16** | Profesor Madya Dr. Juan Joon Ching | Profesor Dr. Mohd Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Photocatalysis of Native and Modified Mesoporous Titania](https://drive.google.com/open?id=1HSLBV7rfJXPCeEWw_HLYNO5WOHShWUNw) | <https://mybox.ncku.edu.tw/navigate/s/6F73E1D7A4464CD290AB604E7183D323GSY> |
| **UM 17** | Dr. Yasmin Abdul Wahab | Profesor Dr. Mohd Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Laser-Scribed Graphene (LSG) MEMS for Intracranial Pressure (ICP) Sensor](https://drive.google.com/open?id=18TxOn6JS2Vp0zLKnY_4KR6S2FprP0Gdj) | <https://mybox.ncku.edu.tw/navigate/s/40CD77C5DED641CB883EBD3BA796F02AGSY> |
| **UM 18** | Dr. Nor Aliya Binti Hamizi | Profesor Dr. Mohd Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Fundamental studies of Laser Properties of Mn-doped Cadminum Selenide Quantum Dots](https://drive.google.com/open?id=1oZ_dUR4SFa9bOQWNXn-gCn-OUl5Vl7nX) | <https://mybox.ncku.edu.tw/navigate/s/4DBE70809735423380BA93B21D85D43AGSY> |
| **UM 19** | Dr. Zaira Zaman Chowdhury | Profesor Dr. Mohd Rafie Johan | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Toxicological Assays, Anti-Microbial Studies And Catalytic Degradation of Organic Solvents using Hybrid Nano-cellulose (NCC) composites](https://drive.google.com/open?id=1FDuzAU50o0wTAcRseOmggSsN5g45nnVX) | <https://mybox.ncku.edu.tw/navigate/s/DCE437EA77EB4F1E95B84F8A31D6448AGSY> |
| **UM 20** | Dr. Lee Hwei Voon | Profesor Madya Dr. Juan Joon Ching | Nanotechnology & Catalysis Research Centre (NANOCAT) | [Catalytic transformation of biomass into biochemicals](https://drive.google.com/open?id=1O-EjKGwZShaMflKL4OtLOOb_jZMpGkyw) | <https://mybox.ncku.edu.tw/navigate/s/F2ECF5F9CE014991A8463284A3DFE2E1GSY> |
| **UM 21** | Professor Ir. Dr. Yau Yat Huang | N/A | Department of Mechanical Engineering, Faculty Of Engineering  | [Stratum Ventilation (SV) Installed With A VRF/VRV System for Larg High-Rise Buildings In The Tropics](https://drive.google.com/open?id=1JQyHGf4aJX2gSeww0BPrCJ_WN7LJZ4Ak) | <https://mybox.ncku.edu.tw/navigate/s/5A7C38D1CDE442C8856743BCBC115238GSY> |
| **UM 22** | Dr. Ong Hwai Chyuan | Profesor Ir. Dr. Masjuki Bin Haji Hassan | Department of Mechanical Engineering, Faculty Of Engineering  | [Conversion of Biomass to value added Biochar via Pyrolysis Process](https://drive.google.com/open?id=1YZbE5tRX1lbXw0dUoKR6aFs9Q-I-BDTE) | <https://mybox.ncku.edu.tw/navigate/s/54E22CE61C094DFCB4BDB9E3C3D3B102GSY> |
| **UM 23** | Dr. Low Kah Hin | Dr. Tay Kheng Soo | Department of Chemistry, Faculty of Science | [Deriving Polycarbonate-based Sorbent From Waste Optical Disc](https://drive.google.com/open?id=1JE1vtiLnhoegyLCfR4DyvXB5zvs_i6NI) | <https://mybox.ncku.edu.tw/navigate/s/0CA0BFC3E2F543C698395C4945D2B113GSY> |
| **UM 24** | Dr. Tay Kheng Soo | Prof. Dr. Sharifuddin Bin Md Zain | Department of Chemistry, Faculty of Science | [Arduino open Source platform to stimulate chemistry students creativity inj Industry 4.0](https://drive.google.com/open?id=1rEHX3KH6X4QGmCiGDYCn1a8ODiYUN4se) | <https://mybox.ncku.edu.tw/navigate/s/66EDB52A669D4A7E982CDF4F32120ECCGSY> |
| **UM 25** | Dr. Tay Kheng Soo | N/A | Department of Chemistry, Faculty of Science | [The Fate of Micropollutants in Advanced Oxidation Processes](https://drive.google.com/open?id=1b2PGHH0xTbca2VsPvnN3m8FmA5ynnRDb) | <https://mybox.ncku.edu.tw/navigate/s/DB54A74E027F4D5695F8BC28A4E3AC09GSY> |
| **UM 26** | Associate Prof. Dr. Chong Wen Tong | Profesor Ir. Dr. Masjuki Bin Haji Hassan | Department of Mechanical Engineering, Faculty Of Engineering  | [Design Optimization, Fabrication and Testing of a Power-Augmented Cross-Axis-Wind-Turbine (CAWT)](https://drive.google.com/open?id=1WXRBRxY4Gt32I4skr-jw20Bj1fsYGsTb) | <https://mybox.ncku.edu.tw/navigate/s/104A7BA964F047F685506367513CB79EGSY> |
| **UM 27** | Associate Prof. Dr. Chong Wen Tong | Profesor Ir. Dr. Masjuki Bin Haji Hassan | Department of Mechanical Engineering, Faculty Of Engineering  | [Design, Testing and Optimization of a hybrid wind-solar-rain eco-roff system](https://drive.google.com/open?id=1dYd3P7QszfTRpMtayOrqQGGCFUxLsjhn) | <https://mybox.ncku.edu.tw/navigate/s/549982718C1E48FF9237083845754C5EGSY> |
| **UM 28** | Dr. Lee Yean Kee | Profesor. Dr. Noorsaadah Abd Rahman | Department of Chemistry, Faculty of Science | [Synthesis, biological application and SAR of oxadiazepines](https://drive.google.com/open?id=1wFycVctWt4IpAyzxIfPZuK8xiSG5emuF) | <https://mybox.ncku.edu.tw/navigate/s/747185EC2F894FAE95E21794AB84707AGSY> |
| **UM 29** | Associate Prof. DR. Farazila Yusof | N/A | Department of Mechanical Engineering, Faculty Of Engineering  | [Investigation on flow field and thermal performances of functionally graded metal foam](https://drive.google.com/open?id=1aApQW3lh4xF2Zyvv1gEnqHtpupZCrrZ7) | <https://mybox.ncku.edu.tw/navigate/s/D99EFF543B5D44A6B4738E4A1D671C5AGSY> |
| **UNAIR 1** | Abdul Rohim Tualeka | Tri Martiana | Magister Occupational Health and Safety | [Effective Dose of Rich Enzyme Detoxifications (CYP2E1 Enzyme and Glutathione) in Benzene Causes Leukemia in Shoe Industry Workers](https://drive.google.com/open?id=1kMIM3x6TkW4RwBdN8krwNNDl_QLKVsq9) | <https://mybox.ncku.edu.tw/navigate/s/5C37BB43E3A44007A58DCDDBB1764400GSY> |
| **UNAIR 2** | Andang Miatmoko | Juni Ekowati | Department of Pharmaceutics, Faculty of Pharmacy | [Preparation of Liposome Loading Edrulic Acid and Evaluation of Its Antitumor Efficacy](https://drive.google.com/open?id=1NOQRLaXaFIs9u0FcUwTPlEpfdkFaEhlI) | <https://mybox.ncku.edu.tw/navigate/s/D63B8B4A5E8F46A4AA6291441A3AFB02GSY> |
| **UNAIR 3** | I Gusti Aju Wahju Ardani | Indeswati Diyatri | Department of Orthodontic, Faculty of Dentistry | [Early Diagnosis and Preventive Care in Skeletal Class II Malocclusion Case with Mandibular Micrognathia](https://drive.google.com/open?id=1byzS7anD70adrGkGmRsqYXPhgaIO_0KS) | <https://mybox.ncku.edu.tw/navigate/s/AE4F262D1AF84B80BCF54C55BC8A1626GSY> |
| **UNAIR 4** | Josephine Sri Wulan Manuhara | Alfinda Novi Kristanti | Faculty of Science and Technology | [Biomass and Flavonoid Production of Gynura procumbens Adventitious Root in Bioreactor](https://drive.google.com/open?id=1BlTM_7cEds__PpHOn5H1M3DweGTasnAn) | <https://mybox.ncku.edu.tw/navigate/s/11EE0E2ED7D445EEAA80CD96CE64986DGSY> |
| **UNAIR 5** | Retno Widyowati | Hsin-I Chang | Department of Pharmacognosy and Phytochemistry, Faculty of Pharmacy | [Characterization an dOptimization Potency of Deer Antler Extract as Osteoarthritis Therapy](https://drive.google.com/open?id=1NZNKOs8OOw4_4agUWbhoaCvg7X3gGfrF) | <https://mybox.ncku.edu.tw/navigate/s/3ABBF047F02C41BA9076A00736D12142GSY> |
| **UNAIR 6** | Sukarayanto | N/A | Department of History, Faculty of Humanities | [Measuring Plurality in Sampit: Case Study on Social Distance Between Ethnic Groups in the Post-Conflict Era](https://drive.google.com/open?id=1Ik5gfTal3qChHrDO-VWX_rx0sqlWdSC-) | <https://mybox.ncku.edu.tw/navigate/s/36892588299845249E9D56FD297C340CGSY> |
| **UNAIR 7** | Tutik Sri Wahyuni | N/A | Department of Pharmacognosy and Phytochemistry, Faculty of Pharmacy | [Antiviral Activities of Medicinal plants and its Isolated compounds against hepatitis virus](https://drive.google.com/open?id=10kLfw_yOtLAMfbPdLJ1YOpvZ4kEOZIVn) | <https://mybox.ncku.edu.tw/navigate/s/9DE02C15F8F141A782FFE50FA1390F75GSY> |
| **URAR 1** | Au Yong Hui Nee | Charles Ramendran S PR Subramaniam | Faculty of Business and Finance | [Compliance with Safety Practices among Medical Professionals: Exploring The Link between Organiztonal Safety Climate, and Safe Work Practices towards a Quality Healthcare and Patient Safety](https://drive.google.com/open?id=1JUhUNilo1v3aN8pTTlXN2QF0lJxYJAqW) | <https://mybox.ncku.edu.tw/navigate/s/29AA1C39DCF8470286FD20568B317B9FGSY> |
| **URAR 2** | Dr. Bernard Saw Lip Huat | Dr. Thiam Hui San | Lee Kong Chian Faculty of Engineering and Science/ Centre for Vehicular Technology | [Design and optimization of high performance cold plate](https://drive.google.com/open?id=1T4b_tF-siaubzfZUcjZ55V3V70QKHl_s) | <https://mybox.ncku.edu.tw/navigate/s/3897382733DC42D5B12C345B48D4CE5AGSY> |
| **URAR 3** | Gan Seng Chiew | Hsien-Chang Chang | Faculty of Medicine & Health Sciences | [Development of VEGF detection system based on eleectrochemical aptasensor and Lateral flow immunoassay for rapid detection of severe dengue.](https://drive.google.com/open?id=1SB14u9bHqTWrw8qMZPl_MvVnJU1F7lNy) | <https://mybox.ncku.edu.tw/navigate/s/9F077EBF74D34A468FE940FAFB330B6FGSY> |
| **URAR 4** | Dr. Steven Lim | N/A | Lee Kong Chian Faculty of Engineering and Science | [Application of Organosolv Pretreatment to Degraded Empty Fruit Bunch for Optimum Sugar based Substrate Recovery](https://drive.google.com/open?id=1pzzSO2mEd1cjSK1x9mv9S8WjE5qodBsi) | <https://mybox.ncku.edu.tw/navigate/s/C38BDD99D90344BFA6FBAE75CFCE29A2GSY> |
| **UTM 1** | Rozeha A. Rashid | Mohd Adib bin Sarijari | Faculty of Electrical Engineering | [Building Security and Access Management System using Internet-of Things (IoT)](https://drive.google.com/open?id=1df3jIzHUS0KILHH-qv1KpYvfoVjtumJ9) | <https://mybox.ncku.edu.tw/navigate/s/92E5E2578E904CDB89064B28FCD2E033GSY> |
| **UTM 2** | Rudzidatul Akmam Binti Dziyauddin | Mohd. Azri Bin Mohd. Izhar (Dr.) | Rarak School | [A study on the fifth generation (5G) wireless connectivity ofr Connected Vehicles](https://drive.google.com/open?id=1lktOZp84tDqsZywojc4FtbJMO-wdnna0) | <https://mybox.ncku.edu.tw/navigate/s/C8B2EE63EECE43FAAB9009039C8900D0GSY> |
| **UTM 3** | Shahira Liza Binti Kamis | N/A | Department of Mechanical Precision Engineering, Malaysia-Japan Institute of Technology | [Modification and Biotribological Behaviour of UHMWPE Composite for Biomedical Applications](https://drive.google.com/open?id=1amlVJLvSC6G1Ja--FIOUdyAETtWmauyQ) | <https://mybox.ncku.edu.tw/navigate/s/F7BC45DD3ED84CF28CF42ED0A0680645GSY> |
| **NCU 1** | Akon Higuchi | N/A | Department of Materials and Chemical Engineering | [Human stem cell culure and differentiation on biomaterials](https://drive.google.com/open?id=11aFHRQG14GDfSjTRtjixzvlP2KRffKGe) | <https://mybox.ncku.edu.tw/navigate/s/CDAF009A99FF4448B6481319D6291F2CGSY> |
| **NTHU 1** | Pawel Lukasz Urban | N/A | Department of Chemistry | [Development of a portable analytical device using open-source electronic modules](https://drive.google.com/open?id=1VxBxDMrGfoo-hJP_XnKIunVRU607rHNa) | <https://mybox.ncku.edu.tw/navigate/s/9897708A19D64656882361C068650F40GSY> |
| **VHU-HCM 1** | Tran Van Hieu | N/A | Department of Molecular and Environmental Biotechnology, Faculty of Biology and Biotechnology | [Application of basic fibroblast growth factor (bFGF) incorporated injectable hydrogel for acute myocardial infarction (AMI) and/ or acute ischemic stroke (AIS) treatment on murine model.](https://drive.google.com/open?id=1mWyrYTRd7Zatw_3EBaI5dbsG6D41CONt) | <https://mybox.ncku.edu.tw/navigate/s/34E81121F55744B2BDF2FF296EF0B0EAGSY> |
| **NYMU 1** | Heng-Hsin Tung | N/A | School of Nursing | [Trajectory of quality of life and nutrition status among cardiac cachexia patients](https://drive.google.com/open?id=1_SUllQb-LMR9oD5fB8je5sa4c7XSS_kk) | <https://mybox.ncku.edu.tw/navigate/s/FA507FFEBF6C44C5AB78B086A6BF3D36GSY> |
| **NYMU 2** | Surojit Chattopadhyay | N/A | Functional Nanomaterials Lab, Institute of Biophotonics | [Multimodal photofunctionalities of upconversion nanoparticle and 2D material composites.](https://drive.google.com/open?id=1q16nTOavUBp5szwTYQJcxN8K9JoB0-xs) | <https://mybox.ncku.edu.tw/navigate/s/4BCF263B44C34A2FA6A9A3DD71DCC2FDGSY> |
| **NYUST 1** | Hsing-Ta Wang | N/A | Graduate School of Technological and Vocational Eudcation | [Rescarch on etching of diamond wire sawn multicrystalline silicon by metal-assisted chemical etching method.](https://drive.google.com/open?id=1P79H9nyOTT40J7JfMZBz7PTx_wo73S_w) | <https://mybox.ncku.edu.tw/navigate/s/6AFA6E12C94A4252837D75EE0BC84D5FGSY> |
| **NYUST 2** | Chih-Chieh Yang | N/A | Graduate School of Science and Technology Law | [Compare Intellectual Property laws of Indonesia, Malaysia and Taiwan](https://drive.google.com/open?id=1DGVFOMkRkGF5Afo2QM3n4CDhDRnHmPiE) | <https://mybox.ncku.edu.tw/navigate/s/910FC058C1154FEBA3DD1BFCD5C9B198GSY> |
| **NYUST 3** | Ming-Chang Wu | Deni Danial Kesa | Graduate School of Technological and Vocational Education | [A cross-cultural study on the social influence for university students of South-eastern countries~taking social-ecological approaches](https://drive.google.com/open?id=16FdaVrldKvrjVAf9Zbmb2CyS1tuaSqYW) | <https://mybox.ncku.edu.tw/navigate/s/B252BDAB2E4D46B399A900BED396E4D2GSY> |
| **NCKU 1** | Kuan-Zong Fung | N/A | Department of Materials Science and Engineering | [Development of Electrodes and Electrolytes for High Performance Fuel Cells operated at High Temperature](https://drive.google.com/open?id=1Cry6H3JGfrupb_9KMPzeIgjc8V8TgrW6) | <https://mybox.ncku.edu.tw/navigate/s/957119A6971A425D8C02E163638C051EGSY> |
| **NCKU 2** | Chin-Fu Hung | Dr. Eko Priyo Purnomo | Department of Political Science & Institute of Political Economy | [The Impact of the Information and Communication Technologies in Emerging Democracies: Case Study of Indonesia’s Jakarta Election in 2017](https://drive.google.com/open?id=1Ls8bptjJk-pGv7rNlvzWvOKU6AI1EJUA) | <https://mybox.ncku.edu.tw/navigate/s/6198CE3A0B0C4CE09913B73FE1847C93GSY> |
| **NCKU 3** | Wei-Cheng Wang | N/A | Department of Aeronautics and Astronautics | [Performance Analysis of a Newly Developed Cross-Axis Wind Turbine through Wind Tunnel](https://drive.google.com/open?id=1ahMTnlpZXgzntpNuf2BbgF7pMLNee5Bc) | <https://mybox.ncku.edu.tw/navigate/s/1C90A02E64E14640BED73DF45F203AC1GSY> |
| **NCKU 4** | Guey-Chuen Perng | N/A | Center of Infectious Diseases and Signaling Research | [Old and Young: pathogenesis of dengue virus infections](https://drive.google.com/open?id=1xy4q4d1V8vkgOQJo04ip2EFpDJUOlQfb) | <https://mybox.ncku.edu.tw/navigate/s/4A64F93436BB4990AEFBD032EA4489A7GSY> |
| **NCKU 5** | Yao Tang | Shih-Ming Li | Institute of Education | [The strategy of student global mobility in Higher Education(HE)](https://drive.google.com/open?id=1dpyYMJshu8jmOwiy_2EaGZNoqqbzTrTV) | [https://mybox.ncku.edu.tw/navigate/s/96FA137DE8574B6F84EC36F668AE83D4GSY](https://mybox.ncku.edu.tw/navigate/s/67FD2DF2D40C45A2ABE37DA108AE0C33GSY) |
| **NCKU 6** | Su-Lin Yu | N/A | Center for Gender and Women’s Studies | [Gender and Migration: A Comparative Approach](https://drive.google.com/open?id=1jDPI5EBjhEpe_ic8BNLaNLrbTkEVakR4) | <https://mybox.ncku.edu.tw/navigate/s/16BEBA9EC07842FDB4F5795590669760GSY> |
| **NCKU 7** | Yen-Chen Liu | N/A | Department of Mechanical Engineering | [Advanced Control and Design for Networked Robots and Multi-Agent System](https://drive.google.com/open?id=1OxxtcV4ZRlmCZLCkPvdUW5okeqqupDMg) | <https://mybox.ncku.edu.tw/navigate/s/8FF7E14C23BE45ABA9E9A352D12612F6GSY> |
| **NCKU 8** | Jo-Shu Chang | Wei-Hsin Chen | Department of Chemical Engineering | [Circular bioeconomy with recovery of bio-products from microalgae-based wastewater treatment](https://drive.google.com/open?id=1UPE6UhKNlQ4XTWwASAep-7W5LYiCAsEw) | <https://mybox.ncku.edu.tw/navigate/s/D1153687AFA44A8C836105523431310EGSY> |
| **NCKU 9** | Tsorng-Juu Liang | N/A | Hierarchical Green-Energy Materials (Hi-GEM) Research Center | [Bidirectional Phase-Shift Full-Bridge DC-DC Converter for Sustainable Energy System](https://drive.google.com/open?id=1MabE5ETVCpSJcLBBm-AUbBnBhah-uSr-) | <https://mybox.ncku.edu.tw/navigate/s/1F8B6878F0F5449E95C5F2C201EEE88FGSY> |
| **NCKU 10** | Yu-Chuan Lin | N/A | Department of Chemical Engineering | [Catalytic conversion of lignocellulosics into green polyols and adipic acid](https://drive.google.com/open?id=1Py9z1bQJOVHhcfkxckOmUjPjnJLQ_5ws) | <https://mybox.ncku.edu.tw/navigate/s/23145DF6DFD14B02B2A7D4EA639CE7A0GSY> |
| **NCKU 11** | Wei Hsin Chen | Jo-Shu Chang | Research Center for Energy Technology and Strategy | [Biochar production from the thermochemical conversion of biomass and its applications](https://drive.google.com/open?id=1akYeR92kU_9lOOMlKE4VTBQlwS9IeNTA) | <https://mybox.ncku.edu.tw/navigate/s/F37AB0D7D6B044E89A096238DB715EC4GSY> |
| **NCKU 12** | Hsuan-Teh Hu | N/A | Department of Civil Engineering | [Strengthening of Reinforced Concrete Structures with Fiber Reinforced Plastics](https://drive.google.com/open?id=1zKm-0z5SCdmnvrysdO_t3CTD6SV3UoqA) | <https://mybox.ncku.edu.tw/navigate/s/D7900A193EB441DC90C7D73A43153AD2GSY> |

Appendix 2

Contact window of SATU member schools

|  |  |  |
| --- | --- | --- |
| Country | University | EMAI |
| Brunei | Universiti Brunei Darussalam | President’s Officeoffice.ulo@ubd.edu.bnOffice of Global Relationssabrina.daud@ubd.edu.bn |
| India | Indian Institute of Science (Bangalore) | President’s Officediroff@admin.iisc.ernet.inOffice of International Relationsoir@admin.iisc.ernet.inThe ChairmanOffice of International Relationsirc\_admissions@admin.iisc.ernet.in |
| Indian Institute of Technology Bombay | President’s Officedirector@iitb.ac.indirector.office@iitb.ac.inOffice of Dean International Relationsdean.ir.office@iitb.ac.in |
| Indian Institute of Technology Delhi | President’s Officedirector@admin.iitd.ac.inwebmaster@admin.iitd.ac.indirector@admin.iitd.ac.in |
| Indonesia | Airlangga University | Rector’s Officerektor@unair.ac.idOffice of International head@iop.unair.ac.idDivision of Global Research Initiativeint.research@global.unair.ac.id |
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| Universitas Gadjah Mada | University emailinfo@ugm.ac.idOIApc.mobility@ugm.ac.id |
| Universitas Indonesia | Head of International Officemeldakamil@gmail.com |
| University of Muhammadiyah UHAMKA | uhamka@icce2013bali.org |
| Malaysia | Universiti Malaysia Sabah | OIAintl@ums.edu.myInternationalization Development Unitelexsa@ums.edu.my |
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| Universiti Teknologi Malaysia | Vice-chancellor’s Officevicechancellor@utm.mydrwahid@utm.mysitinoraziah@utm.my |
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| University of Malaya | pej\_nc@um.edu.myisc@um.edu.myshaary@um.edu.my |
| Universiti Putra Malaysia | aduwati@upm.edu.myengkuliyana@upm.edu.my |
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| Taiwan | Kaohsiung Medical University | President’s Officepresident@kmu.edu.tw秘書室行政組mchsieh@kmu.edu.twciae@kmu.edu.tw |
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| Taiwan | National Dong Hwa University | President’s Officepresident@mail.ndhu.edu.twOIAoia@mail.ndhu.edu.tw國際學術合作交流組oia@gms.ndhu.edu.tw |
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| Taiwan | National Kaohshiung University of Hospitality and Tourism | President’s Officepresident@live.nkuht.edu.tw秘書室議事研考組sjj@mail.nkuht.edu.twria\_ling@mail.nkuht.edu.tw |
| Taiwan | National Pingtung University of Science and Technology | President’s Officepresident@mail.npust.edu.twOIAhclee@mail.npust.edu.tw[vincent@mail.npust.edu.tw](http://vincent@mail.npust.edu.tw/) |
| Taiwan | National Quemoy University | chyi@nqu.edu.tw研發處yunya@email.nqu.edu.twliutengchung@nqu.edu.tw |
| Taiwan | National Sun Yat-sen University | President’s Office president@mail.nsysu.edu.twOIAyuchuan@mail.nsysu.edu.twcwkuo@mail.nsysu.edu.tw |
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