College of Liberal Arts
The Taiwan Indigenous Collections Housed at the Overseas Museums
The Department of Anthropology is devoted to the preservation of Taiwan’s heritage. Observing the appreciation of cultural diversity (SBS 475), the late Prof. Ching-Chun Hsu published the “Local Aesthetics with Foreign Perceptions: The Taiwan Collections Housed at the British Museum (2018).” It offers a glimpse at the encounter between Taiwan and the world during the late 20th century.
A.P. K’ai-Shyih Lin: openintu@ntu.edu.tw

Tradition and Innovation in Sinology
The Department of Chinese Literature has directed world-class research and teaching in collaboration with institutions worldwide, such as the University of Harvard. Professors have offered award-winning open courses on Chinese classics. With this concerted effort, NTU is maintaining a pivotal role in sinology. 

Language Processing as a Window into the Mystery of Human Brain
The Graduate Institute of Linguistics conducts advanced research to assess the neurobiological basis of the moment-to-moment changes in comprehension and processing of language. The project aims to help us understand the optimal orchestration across the brain hemispheres to enhance language processing when the system is developing or deteriorating. 

A.P. Chia-Lin Lee: chialinlee@ntu.edu.tw

College of Science
A 2700-yr Tropical Rainfall Record in Northern Tropics
Prof. Chuan-Chou Shen et al. reported a 2700-yr rainfall record in the northern tropics (PNAS, 2019 August). The millennial-scale rainfall decrease is opposite to southern records. This seesaw pattern is driven by changes in oceanic and atmospheric circulation. Another highlight is the possible impact of floods on the disappearance of the Angkor civilization.
Prof. Chuan-Chou Shen: river@ntu.edu.tw

Experimental High Energy Physics
High-energy physics investigates the smallest fundamental building blocks of nature and the associated interactions. Researches always rely on close cooperation between international groups and world-class laboratories. NTU’s team significantly contributes to Belle/BelleII/E391a/KOTO experiments in Japan, the CERN LHC, and Dayabay/Juno experiments in China. Fruitful results have been produced and led to Nobel prizes in physics for CP violation (2008) and Higgs boson (2013).
Prof. Min-Hua Huang: mhhuang@ntu.edu.tw

College of Social Sciences
Risk Society and Policy
The Risk Society and Policy Research Center (RSPRC) began collaborating with other East Asian academics on book publications on the RSPRC book series in 2017. It also signed a memorandum of understanding with the Institute for Advanced Sustainability Studies in Germany to organize biennial exchanges in Taiwan on SDG-related topics.
Prof. Kuo-Hui Chang: changk@ntu.edu.tw

College of Engineering
Earthquake Resisting Performance Experiments of Steel Structure
Since the 2000s, graduate students and faculty in the Civil Engineering Department have collaborated with international teams on seismic testing of structures. Applying advanced facilities in NCREE, findings from experiments are adopted in international model building design codes. A key goal of the project is currently in its fifth wave, covering fourteen countries and territories in East Asia plus Australia.
Prof. Keh-Chyuan Tsai: kctsai@ntu.edu.tw

Innovative Hollow Metal Fiber for Carbon Dioxide Adsorption / Catalyst Conversion System
Our team developed the innovative hollow metal fiber adsorber as a new technology for CO2 capture. PFOA spray was further utilized for catalyst coating on the adsorbent to add the CO2 conversion function. The HCFS-S-RTA could effectively improve thermal efficiency and optimize the efficiency of adsorption-desorption and catalyst conversion, achieving high efficiency carbon capture & utilization technology and circular economic goal.
Prof. Kuo-Lan Tung: kltung@ntu.edu.tw

College of Bio-Resources & Agriculture
Intelligent Urban Metabolic Systems for Green Cities of Tomorrow: a WFE nexus-based approach
The WFE Nexus collaboration project, awarded by Belmont Forum in 2018, conducts inter-disciplinary research on the Water-Food-Energy (WFE) Nexus under urbanization, which configures the synergistic utilization of resources and secure manner through making optimal utilization of resources for achieving healthy urban metabolism and building intelligent green cities.
Prof. Fi-John Chang: changfj@ntu.edu.tw

College of Management
Community-based Public Health Prevention Model Prolongs Life Expectancy (LE)
Community-based public health prevention programs contributed to 50% significant mortality reduction, leading to the gain of 10 years of survival for 60% of five selected cancers. The disparity across geographic areas is attributed to accessibility to and availability of interventions and health care services, providing evidence of an unequal health impact.
Prof. Hsiao-Hui Chen: chenh@ntu.edu.tw

College of Bio-Resources & Agriculture
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Our team developed the innovative hollow metal fiber adsorber as a new technology for CO2 capture. PFOA spray was further utilized for catalyst coating on the adsorbent to add the CO2 conversion function. The HCFS-S-RTA could effectively improve thermal efficiency and optimize the efficiency of adsorption-desorption and catalyst conversion, achieving high efficiency carbon capture & utilization technology and circular economic goal.
Prof. Kuo-Lan Tung: kltung@ntu.edu.tw

College of Management
Encouraging Interdisciplinary Research and Grazing Innovation Opportunities
In 2018, the NTU CoM introduced the Seed Research Program and yielded two projects that shared their results. Professors gave opinions and recommendations, believing in innovation in future research. CoM also organized forums. The department of IM organized the "AI & Medical Research Forum 2019 with experts and professors sharing clinical experience and medical research.
CoM of Management
CoM of Management