

原子科學院 100 學年度第 3 次院務會議 紀錄

時 間：101 年 3 月 22 日（星期四）中午 12：10

地 點：工程與系統科學館 205 會議室

主 席：董瑞安 院長

出 席：（依姓氏筆畫排序）王竹方主任、白寶實教授、江啟勳教授、周懷樸教授、林滄浪教授、邱信程主任、莊克士教授、許志樸教授、喻冀平所長、曾繁根主任、開執中教授。

主席報告：

1. 恭喜陳福榮教授以 *Big-Bang Tomography: A New Route to Atomic Resolution Tomography* 投稿 Nature 獲得接受。
2. 恭喜施純寬教授當選本院 100 學年度傑出導師。
3. 恭喜潘欽教授當選中華民國核能學會理事長。
4. 恭喜孫中平校友（核工 74 級）獲選為本校 2012 年傑出校友；吳坤立校友（原科 86 級）獲選為本院 2012 年度傑出校友。
5. 工科系新聘陳儀帆約聘助理研究員已於 2 月 1 日來校報到。
6. 教務處主辦之 100 學年度專任教師評量、傑出教學獎及研發處主辦之 101 年度教師學術卓越獎勵近期皆已陸續開始作業，請系所辦公室留意截止日期。
7. 本校積極推動與新竹教育大學合校案，已陸續召開數次會議。為確認以下事項（1）新舊系所變革，敘明各單位教師員額；（2）過渡期教師升等辦法；（3）提升教育、藝術學院教研環境資源規劃，近期將召開合校案會前會，邀請各院院長及相關系級單位代表參加討論。請工科系及醫環系各推派一人參加，會議召開時間預期在 3 月 26-30 日當週。
8. 本院由董院長率領系所主管及教師共 7 人於 2 月 26-29 日拜訪廣州中山大學及香港城市大學。在中山大學訪問期間，並與物理科學與工程技術學院簽署合作備忘錄；在城市大學訪問期間，與該校科學及工程學院及北京清華大學工程物理系簽署三方合作備忘錄，期能積極推動跨校能源領域的研究交流及學生培訓活動。
9. 本院與廣州中山大學物理科學與工程技術學院積極落實雙邊合作協議，該院核工程與核技術本科三位大四學生於 3 月 18 日前來本院進行為期 6 週專題研究，分別接受白寶實教授、林滄浪教授及李志浩教授之指導。
10. 董院長與本院各系所教師共 7 人於 3 月 13-20 日訪問捷克科技大學（Czech Technical University in Prague, CTU），與該校核能領域 10 名教授舉行為期一天半的雙邊會談，雙方同意先由台捷科技計畫及歐盟計畫開始推動兩院的學術合作與學生交換事宜。
11. 本院研究特色手冊已完成各系所研發資料的彙整收集，進入美編及校稿程序，預計 4 月底

印刷完成。

12. 本院 101 年度「獎勵學生出國參訪辦法」1-3 月共計補助 5 名，獲獎名單公告在本院網頁。4-12 月預計補助 15 名，請老師鼓勵學生踴躍向法院辦提出申請。
13. 本院以「21 世紀能源問題及其環境衝擊」為題，向國科會提案執行「東南亞區域共同研究暨培訓型國際合作計畫」，作為本院辦理國際博士生學程的先期暖身活動。倘若獲國科會核定補助，將可加強吸引優秀的東南亞學生前來本院修讀學位。
14. 綠能館規劃進度，經各使用單位確認實際使用面積後，全案即將進入細部設計階段。全館實際使用面積共計 1154 坪，其中：原科院 703 坪，原科中心 345 坪，能環中心 69 坪，研發處 37 坪。（資料來源：建築師 101.3.9 提供之統計資料）
開執中委員建議：請校方說明輻生館改建計畫及預期進度，並列為正式紀錄。

提案討論：

案一：審議本院「能源、生醫工程與環境」國際博士生學程計畫。

說明：工科系規劃低碳能源學程，醫環系規劃生醫工程學程，計畫書草案詳如附件一。

決議：通過本案，請主規劃單位依委員建議之課程、獎學金、成績考核等項目進行細部修改。

案二：成立「陳守信中子科學傑出講座」事宜。

說明：由陳守信院士發起，目標以 300 萬元為象徵基金。經費來源由發起人陳守信院士捐款三分之一，本院及本校共同提撥經費各配合三分之一。運作方式仿效 MIT David J. Rose 講座，每年辦理一次，邀請國際知名學者到校演講。

決議：委員一致同意全力支持本講座設置計畫，執行細節請院辦公室再與陳院士討論。

散會（14:00）

International PHD Program of Low Carbon Energy

College of Nuclear Science

Introduction

The International Ph.D. Program of Low Carbon Energy is provided by the College of Nuclear Science, National Tsing Hua University. Low carbon energy has been adopted as a primary energy source for alleviating the impact of the greenhouse effect. Among the options practically available, nuclear energy, solar energy, wind power, and hydrogen energy are targeted with worldwide attention. Nuclear energy with a thermal efficiency of more than 30% is competitive with that of a commercial fossil power plant. With the nature of almost zero carbon emission, nuclear energy is deemed as a potential and practical solution to the emission control of the greenhouse effect. Solar energy is currently undergoing intensive research worldwide for efficiency improvement. To effectively exploit the abundant thermal and electromagnetic energy provided by the sun, it is essential that energy conversion devices with a relatively high efficiency be developed. In addition to direct combustion, hydrogen energy may be utilized via various types of fuel cells. After more than fifty years of development, fuel cells now show promising potentials for applications in modular power stations, electric vehicles, and portable electronic devices, with the aid of nanotechnology. Though environmentally friendly, the foregoing options of low carbon energy still have challenges to overcome, in the aspects of nuclear safety, energy conversion efficiency, and power density improvement.

The goal of low carbon energy discipline is to explore advanced scientific basis and technology breakthrough in these energy systems. In addition to discussion on the principles and applications, novel research results and newly developed technologies pertinent to the subject areas will be reviewed in a timely manner. Upon the completion of this program, students will be able to fully understand the in-depth nature of low carbon energy, to identify the pros and cons of these energy technologies, and to capture the global trend of their future development. All lectures in this program are offered in English for international students.

Research Fields

In conjunction with the goal of the Low Carbon Energy Program, a number of corresponding research subjects are being studied at College of Nuclear Science with sufficient funding supports from the university, the industry, and the government. For nuclear energy, faculty members with expertise in reactor physics, reactor thermal hydraulics, reactor safety, fuel management, and nuclear materials are currently conducting research projects in the corresponding areas and are offering research assistantship to prospective Ph.D. students. For

solar energy, outstanding research groups are working on both inorganic solar cells and organic solar cells, in the areas of novel catalyst preparation, cell design, processing, and assembling. Students carrying out theses research in this energy field will be financially supported by related research projects. For hydrogen energy, research is mainly focused on hydrogen production and storage and low-temperature fuel cells. Hydrogen production via low-temperature reformers or high-temperature nuclear iodine-sulfur processes, effective physical and chemical storages of hydrogen, and micro-scale fuel cells for portable electronic devices are being investigated by quite a number of faculty members. All Ph.D. students in the research field of hydrogen energy are also financially supported.

Research Focus

Reactor Physics

Reactor Thermal Hydraulics

Reactor Safety

Fuel Management

Nuclear materials

Inorganic Solar Cells

Organic Solar Cells

Catalyst, Electrolyte, and Electrode Preparation

Solar Cell Design

Solar Cell Processing

Solar Cell Assembling

Hydrogen Production via Low-Temperature Reformers

Hydrogen Production via High-Temperature Nuclear Iodine-Sulfur Processes

Effective Physical and Chemical Storages of Hydrogen

Micro-Scale Fuel Cells

Curriculum

The required credits (with the core courses) 18, qualify exam, two SCI published manuscripts are necessary to receive the certificate. Please see the curriculum brochure of ESS for more information.

Application

Applications to the International Ph.D. Program of Low Carbon Energy are due by March 15 (Fall/September semester) and November 1 (Spring/February semester). For more questions or to send supplemental documents, please use the following address:

Office of International Affairs

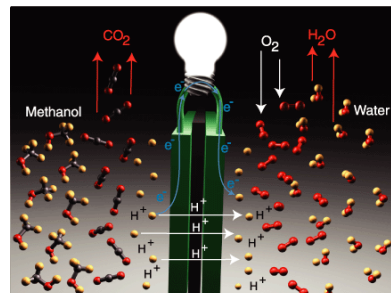
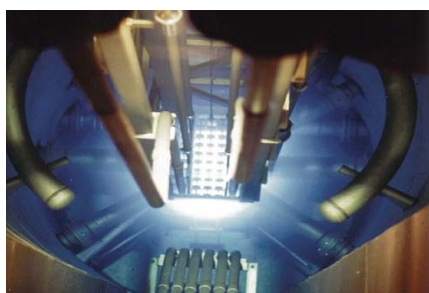
Tel: +886-3-5162461

Email: dis@my.nthu.edu.tw

<http://oia.nthu.edu.tw/>

Designated Courses

Subjects	Instructors	Credits
Reactor Physics I	梁正宏、薛燕婉	3
Nuclear Reactor Engineering	施純寬	3
Management of Backend of Nuclear Fuel Cycle	卓鴻年	3
Semiconductor Devices Physics	張廖貴術	3
Principles and Applications of Solar Energy	丁志明	3
Engineering Electrochemistry	王本誠	3
Hydrogen Energy and Fuel Cell Technologies	蔡麗端	3
Nuclear Safety	李敏	3
Molecular Dynamics Simulation	蕭百沂	3
Advanced Nanoelectronic Devices	吳永俊	3



Faculty Members

Position	Name	Degree	Research Field	Office	Tel / e-mail
Professor	Fan-Gang Tseng	PhD, University of California, Los Angeles	BioNEMS, Nano/Micro Fluidics, Micro Fuel Cells, MEMS package/IC	ESS 418	03-5715131 ext.34270 fangang@ess.nthu.edu.tw
Professor	Chuen-Horng Tsai	PhD, University of California, Berkeley	Corrosion and Stress Corrosion, Plasma and Semiconductor Processing, Nano-Materials	ESS 201	(03) 5715131 ext.42661 chtsai@ess.nthu.edu.tw
Professor	Hwai-Pwu Chou	PhD, Purdue University	IC Design, Nuclear Electronics and Instrumentation, Nuclear Reactor Analysis, Micro System	ESS 311	03-5715131 ext.42665 hpc@ess.nthu.edu.tw
Professor	C. Lin	PhD, University of California, Berkeley	Intelligent Computing Design and Application, Nuclear Power Plant Fuel Management	ESS 315	(03) 5715131 ext.62246 clin@ess.nthu.edu.tw
Professor	T.K. Wang	PhD, Purdue University	Semiconductor Trace Analysis, Neutron Activation Analysis, Simulation of Oxynitride Semiconductor Processing	ESS 407	(03) 5715131 ext.42675 tkw@mx.nthu.edu.tw
Professor	G.S. Chen	PhD, University of Cincinnati	Neutron Transport, Plasma Numerical Simulation	ESS 416	(03) 5715131 ext.42667 gschen@ess.nthu.edu.tw
Professor	Chin Pan	PhD, University of Illinois	Two-Phase Flow, Heat and Fluid Flow in Micro System, Fuel Cell, Boiling Heat Transfer	ESS 507	(03) 5715131 ext.62033,34320 cpan@ess.nthu.edu.tw
Professor	Tsang-Lang Lin	PhD, Massachusetts Institute of Technology	Small-Angle Neutron and X-Ray Scattering, Neutron and X-Ray Reflectivity, Synchrotron X-Ray Scattering, Light Scattering, Neutron and X-ray Instrumentation, Colloid and Interface Science, Nano-Structural Materials, Soft Materials, Bio-Materials, Molecular	ESS 508	(03) 5715131 ext.42671 tllin@mx.nthu.edu.tw
Professor	W. K. Lin	PhD, University of Maryland	Thermal and Fluids Systems, Two-Phase Flow, IC Device Cooling, Heat Transfer Devices of Satellites and High Flying Objects, CPU Cooling System Integration	ESS 517	(03) 5715131 ext.42664, 42030 wklin@ess.nthu.edu.tw

Professor	M. Lee	PhD, Massachusetts Institute of Technology	Two-Phase Flow, System Reliability Evaluation, Nuclear Power System, Thermal Flow Analysis	ESS 518	(03)5715131 ext.34315,34316 mlee@ess.nthu.edu.tw
Professor	Jia-Hong Huang	PhD, University of Illinois	Mechanical Properties of Materials, Thin Film Processing, Nano-Materials, Ion Assisted Thin Film Growth	ESS 213	(03) 5715131 ext.34274 jhuang@ess.nthu.edu.tw
Professor	Fu-Rong Chen	PhD, State University Of New York, Stony Brook	High Resolution Electron Microscopy, Electron Optics, Electron Energy Loss Spectroscopy	ESS 410	(03) 5715131 ext.62249 frchen@ess.nthu.edu.tw
Professor	K.S. Chang-Liao	PhD, National Taiwan University	VLSI Device, Non-Volatile Memory	ESS 312	(03) 5715131 ext.42674 lkschang@ess.nthu.edu.tw
Professor	K.C. Leou	PhD, University of California, Los Angeles	Plasma Processing, Plasma Physics, Nano-Technology, Microwave Engineering, Flat Panel Display	ESS 515	(03) 5715131 ext.42378 kcleou@ess.nthu.edu.tw
Professor	C.C. Chieng	PhD, Virginia Polytechnic Institute and State University	Micro System, Heat Transfer, Turbulence Theory and Experiment, Engineering Computing		(03) 5715131 ext.34309 cchieng@ess.nthu.edu.tw
Professor	J.J. Kai	PhD, University of Wisconsin	Nano-Materials and Devices, Nano-Structure Analysis, Grain Boundary Segregation, Radiation Damage in Materials		jjkai@ess.nthu.edu.tw
Associate Professor	Yung-Chun Wu	PhD, National Chiao Tung University	Flat-Panel Display Device Physics and Fabrication Technology, Nano Optoelectronic Device Physics and Fabrication Technology	ESS 408	(03) 5715131 ext.34287 ycwu@ess.nthu.edu.tw
Associate Professor	Yuh-Ming Ferng	PhD, National Tsing-Hua	Safety Operation and Maintenance Analysis 、 Fire Hazard Analysis 、 CFD Analysis and Modeling 、 Two-Phase Flow and Boiling Heat Transfer	ESS 317	(03) 5715131 ext.34289 E-mail: ymferng@ess.nthu.edu.tw
Associate Professor	Y. Hu	PhD, Princeton University	Plasma Physics, Controlled Fusion Theory, Plasma Processing Theory and Simulation	ESS 505	(03) 5715131 ext.42672 yhu@mx.nthu.edu.tw
Associate Professor	Yu-Chuan Su	PhD, University of California, Berkeley	Nano/Micro Electro-Mechanical System Design	ESS 210	(03) 5715131 ext.42374 ycsu@ess.nthu.edu.tw

Associate Professor	Pai-Yi Hsiao	PhD, Universite Paris 7 – Denis Diderot	Soft Matter Physics, Molecular Simulation, Critical Phenomenon	ESS 516	(03) 5715131 ext.62247 pyhsiao@ess.nthu.edu.tw
Associate Professor	Yung-Hsien Wu	PhD, National Chiao Tung University	SiGe and Ge MOSFET, Memory Process Development	ESS 314	(03) 5715131 ext.62248 yunhwu@ess.nthu.edu.tw
Associate Professor	Chih-Wen Lu	PhD, National Chiao Tung University	LCD Driver IC Design 、 Analog-to-Digital Converter Design Digital-to-Analog Converter Design 、 Phase Lock Loop /Frequency Synthesizer Design 、 RF IC Design	ESS 411	(03)5715131 ext.34305 cwlu@mx.nthu.edu.tw
Assistant Professor	Pen-Cheng Wang	PhD, University of Pennsylvania	Polymer Science, Functional Polymeric Interfaces and Nanomaterials 、 Organic Electronics Systems 、 Bioanalytical Micro-Systems 、 Renewable Energy	ESS 308	(03) 574-2372 wangpc@ess.nthu.edu.tw
Assistant Professor	Fan-Yi Ouyang	PhD, University of California, Los Angeles	Reliability in microelectronic packaging, Electromigration, thermomigration and stress migration, Copper nano-twin thin film deposition and lead-free solder, Microelectronic materials and processing, Characterization	ESS 509	(03)5715131 ext.34321 fyoyang@ess.nthu.edu.tw
Adjunct Professor	S.H. Jiang	PhD, University of Karlsruhe, Germany	Radiation Shielding, Radiation Measurement, Radiation Protection and Application, Non-Destructive Radiation Testing	ESS 414	(03) 5715131 ext.34296 shjiang@ess.nthu.edu.tw
Adjunct Professor	Chunkuan Shih	PhD in Nuclear Eng., University of Wisconsin	Heat Transfer and Fluid Mechanics, Nuclear Power Plant Safety Analysis	ESS 203	(03) 5715131 ext.42371 ckshih@ess.nthu.edu.tw
Adjunct Professor	Yen-Wan Hsueh	PhD, Columbia University	Reactor Physics and Shielding Analysis, Neutron Cross Sections, Neutron Transport Theory, Medical Neutron Beam Design	ESS 415	(03) 5715131 ext.42669 ywhliu@ess.nthu.edu.tw
Adjunct Professor	G.P. Yu	PhD, Massachusetts Institute of	Nano-Materials, Energy Materials, Surface Coating	ESS 511	(03) 5715131 ext.42376 gpyu@ess.nthu.edu.tw

		Technology			
Adjunct Professor	B.S. Pei	PhD, University of Cincinnati	Two-Phase Flow and Boiling Heat Transfer, Reactor Engineering and Safety, CFD Analysis, Severe Accident Analysis	ESS 313	(03) 5715131 ext.42673 bspei@hotmail.com
Adjunct Professor	Jenq-Horng Liang	PhD, University of Wisconsin	Ion Implantation, Accelerator Analysis, Plasma Applications, Medical Physics, Radiation Shielding, Nuclear Fuel Management, Nuclear Fusion Engineering, Nuclear Medicine Production	ESS 512	(03) 5715131 ext.42668 jhliang@ess.nthu.edu.tw
Adjunct Associate Professor	Tsung Kuang Yen	PhD, Pennsylvania State University	Electrochemical Sciences, Computer Simulation, Fuel Cell	ESS 310	(03) 5715131 ext.42373 tkyeh@mx.nthu.edu.tw
Adjunct Associate Professor	Rong-Jiun Sheu	PhD, National Tsing Hua University	Accelerator Health Physics, Radiation Transport Calculations, Radiation Shielding, Radiation Measurement	ESS 513	(03) 5715131 ext.42377 rjsheu@mx.nthu.edu.tw
Adjunct Professor	Li-Duan Tsai	PhD, National Chiao Tung University	Hydrogen Energy, Fuel Cells	ITRI 461	(03) 5915310 LiDuanTsai@itri.org.tw

Contact Information

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International PHD Program of Biomedical Engineering

College of Nuclear Science

Introduction

The International Ph.D. Program of Biomedical Engineering is provided by the College of Nuclear Science, National Tsing Hua University. Biomedical Engineering is one of the most multidisciplinary scientific fields in relation to human life, and has been highlighted by national developments, social needs and international trends. With a strong base on atomic, molecular, and nano-technology, the main theme of the Ph.D. program of Biomedical Engineering is to develop clinical techniques and applications based on fundamental sciences of physics, chemistry and biology; and to utilize engineering knowledge from chemical engineering, material science, mechanical engineering, electrical engineering. Furthermore, the research fields are extended from traditional tissue and organ levels to modern cellular and molecular scales in combining interdisciplinary research fields to study various critical issues, e.g., developments of polymer and nanoparticles for both ultrasonic and macrophages-mediated cancer therapy.

The goal of Biomedical Engineering discipline is to advance fundamental understanding of biological system function and response in terms of physical/chemical mechanisms, and to develop effective technologies and applications of social needs in design of novel medical materials, devices, and imaging techniques to diagnosis, treatment, and prevention of disease for human health. Lectures in this program are offered in English for international students enabling toward the international perspectives.

Research Fields

There are two research tracks in the International Ph.D. Program of Biomedical Engineering. The first track, Molecular Biomedical Engineering (MBE), aims to implement basic biomedical research to practical applications. MBE combines fields of medicine, engineering, chemistry, physics, biology, and photonics to equip students with the knowledge for biomedical applications. Novel optoelectronic and microelectronic techniques are used for highly sophisticated biological and medical research topics. Different scales of complexity, ranging from the molecular level to the whole organism, are covered in this area. Specific research topics include: development and application of biochips, nanotechnology, micro-electro-mechanical systems, biomedical control and measurement of nano-molecules, biomaterials, stem cells and tissue engineering, drug delivery and release, cancer gene therapy, molecular imaging in drugs, synthesis of lipids, carbohydrates, and nucleic acids, biomedical and molecular toxicology, epidemiology, and biomedical informatics.

The second track, Medical Physics (MP), concentrates on comprehensive applications of knowledge from ultrasound, magnetic resonant imaging, nuclear sciences in medicine, which includes medical imaging, radiation physics, radiation biology, nuclear medicine and radiotherapy, molecular imaging and pharmaceuticals in cancer therapy. We have strong collaborative relationships with domestic and foreign universities and research hospitals and aim at training experts who possess professional knowledge in medical physics and biomedical engineering techniques.

Research Interests

- Molecular Biomedical Engineering (MBE)
 - Biophysics
 - Biomaterials and Tissue Engineering
 - Drug Delivery and Release
 - Biochips/BioMEMS
 - Nano/Micro Fluidic Systems & Optical Systems
 - Cancer Gene Therapy
 - Molecular Toxicology and Epidemiology
 - Bioinformatics and Health Assessment
- Medical Physics (MP)
 - Biomedical Electronics and Instrumentations
 - Medical Imaging: Ultrasounds, Magnetic Resonant Imaging, Nuclear Medicine
 - Biomedical Signal and Image Processing
 - Physiological and Functional Medical Imaging

Curriculum

The required credits (with the core courses) 18, qualify exam, two SCI published manuscripts are necessary to receive the certificate. Please see the curriculum brochure of BMES and ESS for more information.

Application

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Office of International Affairs

Tel: +886-3-5162461

Email: dis@my.nthu.edu.tw

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Course

Subjects	Teacher	credit
Introduction to Biomedical Engineering	Hsu-Hsia Peng	3 (required)
Introductory Radiation Biology	Chi-Shiun Chiang	3 (required)
Introduction to Soft Condensed Matter	Pai-Yi Hsiao	4
Bioanalytical Chemistry	Yu-Fen Huang	3
Advanced Bioconjugated Chemistry	Chung-Shan Yu	3
Bioanalytical Chemistry : Basic Principles and Lab Projects	Pen-Cheng Wang Chung-Shi Yang	3
Drug Controlled Release	Hsin-Cheng Chiu	3
Tissue Engineering	Chien-Wen Chang	3
Applied Optics	Chih-Hao Lee	3
Bionanotechnology	Chih-Ian Hsu	3
Biological Physics--Mechanics of Motor Proteins	Chien-Ming Wu	3
Molecular Dynamics Simulations	Pai-Yi Hsiao	3
Biomedical Signal Processing	Ching-Han Hsu	3
Principles of Medical Ultrasonics	Chih-Kuang Yeh	3
Magnetic Resonance Imaging Principles and Applications	Fu-Nien Wang	3
Applications of Synchrotron Radiation and Neutron Beams	Chih-Hao Lee	3
Nano/Micro Biomedical and Fluidic Systems	Fan-Gang Tseng	3
Biomedical Epidemiology and Molecular Toxicology	Chun-Yu Chuang	3
Gene chip and its biomedical applications	Chih-Ian Hsu	3
Aerosol Science and Technology	Guenter Engling	3



Faculty

Position	Name	Degree	Research Field	Office	Tel / e-mail
Professor	Hsin-Cheng Chiu	Ph.D. University of Utah	Drug Delivery System Biomaterials	BMES R 420	+886-3-5715131 ext 34233 hscchiu@mx.nthu.edu.tw
Professor	Chih-Ian Hsu	Ph.D. University of Wisconsin	Nano-Biotechnology Biochip	BMES R 214	+886-3-5715131 ext 34215 ichsu@mx.nthu.edu.tw
Professor	Chi-Shiun Chiang	Ph.D. University of California, Los Angeles	Cancer Therapy Radiation Biology	BMES R 620	+886-3-5715131 ext 35581 cschiang@mx.nthu.edu.tw
Professor	Fan-Gang Tseng	Ph.D. University of California, Los Angeles	BioNEMS Nano/Micro Fluidics Micro Fuel Cells MEMS package/IC	ESS R 418	+886-3-5715131 ext34270 fangang@ess.nthu.edu.tw
Professor	Chih-Hao Lee	Ph.D. National Tsing Hua University	Surface and Thin Film Technologies Photon and Particle Measurements Micro System Applications of Synchrotron Radiation X-Rays and Neutron	ESS R 412	+886-3-5715131 ext 42856, 34281 chlee@ess.nthu.edu.tw
Adjunct Professor	Chung-Shi Yang	Ph.D. Pennsylvania State University	Nanoparticles in basic medicine research clinical diagnosis/therapeutics Mechanistic studies and clinical applications of transdermal delivery/sampling Implantable micro-device for in vivo and in situ biomedical analysis		cyang@ncnu.edu.tw
Associate Professor	Chien-Ming Wu	Ph.D. National Tsing Hua University	Biophotonics Nanometrology	BMES R 212	+886-3-5715131 ext 34327 cmwu@mx.nthu.edu.tw
Associate Professor	Ching-Han Hsu	Ph.D. University of Southern California	Medical Imaging Signal Processing	BMES R 416	+886-3-5715131 ext 35562 cgshu@mx.nthu.edu.tw
Associate Professor	Chung-Shan Yu	Ph.D. University of Heidelberg	Medicinal Chemistry Nuclear Medicine	BMES R 617	+886-3-5715131 ext 35582 csyu@mx.nthu.edu.tw
Associate Professor	Pai-Yi Hsiao	Ph.D. Universite Paris 7 – Denis Diderot	Soft Matter Physics Molecular Simulation Critical Phenomenon	ESS R 516	+886-3-5715131 ext.62247 pyhsiao@ess.nthu.edu.tw

Associate Professor	Chun-Yu Chuang	Ph.D. National Taiwan University	Molecular Toxicology Biomedical Epidemiology	BMES R 217	+886-3-5715131 ext 34229 cychuang@mx.nthu.edu.tw
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Assistant Professor	Fu-Nien Wang	Ph.D. National Taiwan University	Magnetic Resonance Imaging Functional Imaging of Brain	BMES R 417	+886-3-5715131 ext 35492 fnwang@mx.nthu.edu.tw
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Sow-Hsin Chen Distinguished Lectureship on Neutron Science

陳守信中子科學傑出講座設置說帖

2012 年 3 月 22 日

一、前言

陳守信院士於 1956-58 年間就讀於本校，是本校在台復校後第一個開辦的教學單位「原子科學所」第一屆畢業生。時任校長的梅貽琦先生親自擔任該所 15 名學生的導師，梅校長對學生無微不至的生活照料與精神鼓勵，令陳院士至今仍感念不已。

陳院士在原子科學所就讀期間所接受的專業教育，啟發他對核子物理領域的興趣，赴美深造仍繼續專研中子科學，最終成為國際公認最頂尖的中子及 X 光散射研究的專家之一。

陳院士為緬懷梅貽琦校長對我國高等教育的卓越貢獻，並持續推動中子科學的尖端研究，擬透過「Drs. Sow-Hsin & Ching-Chin Chen Charitable Fund」捐贈財產予本校，設置「陳守信中子科學傑出講座」。

二、設置原則

1. 「陳守信中子科學傑出講座」為達永續辦理之目標，經費來源初期以新台幣 300 萬元為象徵性基金，由發起人陳守信院士捐款三分之一，本院及本校共同提撥經費各配合三分之一。講座活動之經費支出以講座本金取得之孳息為限。
2. 本院同意挹注自籌款項新台幣 100 萬元，將由校友募款及申請國科會補助邀請科技人士短期訪問等方式達成目標。
3. 本講座活動以每年舉辦一次為原則，邀請國際知名專家學者前來本校訪問，就中子科學在理論及應用面向的不同主題舉行演講。由講座提供講員來回機票及生活費。邀請人選由陳院士與本校共同決定。