

Lung Kwang Pan

Central Taiwan University of Science and Technology
Dept. Of medical imaging and radiological science

lkpan@ctust.edu.tw

Cell: 011-886-920-810-713

Home: 011-886-2-2929-1483



Experience

Dep. of radiological technology, TaiChung Taiwan **professor**

2/2003-Present

Professor in the department of radiological technology, Central Taiwan University of Science and Technology, one of the only three institutes in Taiwan for training specialists and technologists in medical correlated fields.

Dep. of mechanical engineering, Taoyuan Taiwan **chairman**

8/2002-2/2003

Chairman of the department of mechanical engineering, Chung Cheng Institute of Technology, National Defense University, the only one institute of science and engineering for military application in Taiwan

professor

8/2000-2/2003

associate professor

3/1997-7/2000

associate professor

9/1991-9/1993

lecturer

9/1985-8/1991

Education

Georgia Institute of Technology, Atlanta, GA

PhD - Radiological Engineering , March 1997

National Tsing Hua University, TsingChu, Taiwan

Master of Science - Nuclear Science , July 1985

Chung Cheng Institute of Technology, Taoyuan, Taiwan

Bachelor of Science - Nuclear Engineering , July 1981

Objective

Faculty member or scientist in
medical physics/ health physics/
radiological engineering/ nuclear physics

Skills

office 2000 correlated softwares,
Monte Carlo Simulation,
Taguchi optimization analytical methodology,
Grey relational analytical methodology,
CorelDraw 10,

Professional Associations

member of Health Physics, Atlanta branch, Georgia, USA
member of Nuclear Engineering Association, Taiwan, ROC

Languages

Chinese, English

Accomplished Research Projects

Granted by	Annual Research Project
NSC*	To evaluate the biokinetic model and correlated internal dose of Tc-99m MDP in CT scan via MATLAB program (2015)
NSC*	To evaluate the biokinetic model and correlated internal dose of NaF-18 in bone CT scan via MATLAB program (2014)
NSC*	Optimizing the imaging quality characteristics of 640 sliced CT in clinical diagnosis via Taguchi dynamic analysis (2013)
NSC*	Optimization the quality characteristics of 256-cut-sliced CT examination via Taguchi analysis (2012)
NSC*	Optimization the bi-plane X-ray facility in cardiac examination via robust designation analysis (2011)
NSC*	Optimization the clinical facilities in either nuclear examination or diagnosis via Taguchi analysis (2010)
NSC*	Optimization the mammography phantom image via Grey analytical methodology (2009)
NSC*	Fast screening the effective dose of diagnostic X-ray via bubble technology (2008)
NSC*	Evaluate the trace elements of Chinese medical herbs via thermal neutron activation analysis (2007)
NSC*	Verify the indoor ventilation system via thermal neutron activated short-half-life radioisotope (2006)

NSC*	Optimization for solidification of low-level- radioactive resin using Taguchi analysis (2005)
NSC*	Evaluate the trace elements of sediments along the KeeLung River via neutron activation method (2004)
NSC*	Feasibility study of measuring the internal ballistic object via nondestructive detecting method (2003)
CTUST*	Fast screening the effective dose of linear accelerator via bubble technology (2008)
CTUST*	Evaluate the biokinetic model of iodine for thyroidectomy patients (2007)
CTUST*	Evaluate the biokinetic model of GI Tract for patients (2006)
CTUST*	Verify the EBT and EDR ₂ film dose for Radiotherapy via rando phantom (2005)
CTUST*	Optimization the bone scintigraphy image quality from gamma camera via Taguchi methodology (2004)
CTUST*	Optimization of In-vivo Aortography for Patent Ductus Arteriosus via Taguchi Methodology(2003)

*NSC: National Science Council, Taiwan, ROC

*CTUST: Central Taiwan University of Science and Technology, Taiwan, ROC