

Yu-Lun Jao (饒育綸)

Department of Materials Science and Engineering,
National Chiao Tung University,
Room 752, Engineering Building Six.



Campus Address:
No.1001, University Road,
Hsinchu, Taiwan 300 (R.O.C.)

Phone: (886) -3-5712121 ext. 55314
Cell phone: 0911-958005
E-mail: jao1365@gmail.com

Introduction 簡介

個性認真有熱忱，擅長晶體缺陷分析，曾就讀基隆市中正國中民俗班，為團隊至上的特殊才藝班，為了有最好的團體表演及訓練，同學們長時間一起在夜晚留下來練習扯鈴、陀螺也一起夜讀，因此很早就適應團體生活，配合度高。上了研究所後時常需要合作實驗，更發現團隊的重要性，尤其在實驗站進行實驗，每個成員都要負責好自己的儀器，就像在訓練的過程中，只要一人失誤就會連累二三十個人重頭來過，如此長時間的訓練下，我學到的不只是顧好本分，更重要的是當夥伴們需要幫忙時，能夠以團隊為前提互相幫助，才能替團隊爭取到最佳榮譽。

EDUCATION 學歷

Jul. 2016 - Present	M.S. of Materials Science and Engineering National Chiao Tung University, Hsinchu, Taiwan. 國立交通大學材料科學與工程學系
Sep. 2012 - Jun. 2016	B.S. of Materials Science and Engineering National Dong Hwa University, Hualien, Taiwan. 國立東華大學材料科學與工程學系
Sep. 2009 – July. 2012	Taipei Nanhu Senior High School, Taipei, Taiwan 台北南湖高中

CONFERENCES 會議及報告參與

- [1] **Yu-Lun Jao (饒育綸)**、Shih-Min Chen (陳仕珉)、Ke An (安軒)、E-Wen Huang (黃爾文), “Thermal expansion behaviors of 15-5 PH stainless steel between selective laser-melting made and wrought made”, 國家同步輻射研究中心第二十三屆用戶年會暨討論會, 中華民國一百零六年九月六日、七日、八日。
- [2] **Yu-Lun Jao (饒育綸)**、Shih-Min Chen (陳仕珉)、An-Ke (安軒)、E-Wen Huang (黃爾文), “Thermal expansion behaviors of 15-5 PH stainless steel between selective laser-melting made and wrought made”, 106年台灣中子散射年會(TWNSS), 中華民國一百零六年九月二日、三日。

FUTURE CONFERENCES 未來會議及報告參與

- [3] **Yu-Lun Jao (饒育綸)**、Shih-Min Chen (陳仕珉)、An-Ke (安軒)、E-Wen Huang (黃爾文), “I

Thermal expansion behaviors of 15-5 PH stainless steel between selective laser-melting made and wrought made”, 106年中國材料科學學會年會(IUMRS), 中華民國一百零六年十一月五日、六日、七日、八日、九日。

- [4] Yu-Lun Jao (饒育綸)、Shih-Min Chen (陳仕珉)、An-Ke (安軒)、E-Wen Huang (黃爾文), “Study the Lattice Deformation during Uniaxial Tensile Test by In-situ Neutron Diffraction for Additive Manufactured 15-5PH Stainless Steel”, 107年礦物金屬材料學會年會(TMS), 中華民國一百零七年二月二十六日至三月七日。

Seminar 研討會參與

Aug. 2016 – Sep. 2016	7th X-ray Summer School of National Synchrotron Radiation Research Center (NSRRC) 第七屆同步輻射暑期訓練營
Oct. 2016	2016 TWNSS Annual Meeting, Short School and Workshop 2016 台灣中子年會
Nov. 2016	2016 International Conference on High-Entropy Materials (ICHEM 2016) 2016 高熵合金年會

EXPERIMENTAL EXPERIENCES (INSTRUMENTS) 實驗及儀器經驗

► Domestic experiences 國內經驗

- Campus 校內儀器使用:
Instruments: Universal tensile testing machine
XRD D8 (X 光繞射儀)
SEM 6500 (掃描式電子顯微鏡)
SEM 7800
TMA (熱機械分析儀) in National Chiao Tung University
Arc melting (電弧融煉) in National Tsing Hua University
- NSRRC 同步輻射儀器使用
Instrument: X-ray Powder Diffraction 13A1 Beamline
X-ray Powder Diffraction 01C Beamline
Transmission X-Ray Microscope 01B Beamline

► Foreign experiences 國外經驗

- Japan J-parc 日本 J-parc 中子實驗站:
BL19 TAKUMI: Engineering Materials Diffractometer
- Korea HANARO 韓國 HANARO 中子實驗站
RSI, An Engineering Neutron Diffractometer : Residual Stress Instrument

PROFESSIONAL COMPUTER SKILLS 軟體使用

➤ Crystallography Diffraction Profile Analysis(晶體繞射分析)	❖ General Structure Analysis System (GSAS)
➤ Graphing & Statistics (圖像數據分析)	❖ OriginPro 2017
➤ Textures , crystal structure, microstructure and internal stress analysis from diffraction spectra (織構、微結構及內部應力分析)	❖ Material analysis using diffraction (MAUD)
➤ Quantitative texture analysis (織構分析)	❖ Beartex
➤ Material Defect Analysis (材料缺陷分析)	❖ CMWP & VASAP
➤ Reference Citation (文獻編輯)	❖ Endnote X7

AWARDS and HONORS 獎項

- 2017 The User Executive Committee of the National Synchrotron Radiation Research Center Student Poster Session Contest in Materials Science Award of Recognition.
國家同步輻射研究中心第二十三屆用戶年會暨討論會佳作
- 2017 Taiwan Neutron Science Society Annual Meeting and Neutron Scattering Workshop Best Poster Award (Bronze)
2017 年台灣中子散射年會銅牌獎



23 第二十三屆用戶年會暨研討會

USERS' MEETING & WORKSHOPS

September 5 - 8, 2011 / Hsinchu, Taiwan

The User Executive Committee of the National Synchrotron Radiation Research Center
hereby presents

Jao, Yu-Lun 賴育倫

with this certificate for the

Student Poster Session Contest in Materials Science Award of Recognition

bestowed in recognition of the recipients' presentation entitled

Thermal Expansion Behaviors of 15-5 PH Stainless Steel between Selective Laser-melting Made and Wrought Made

E-Wen Huang

E-Wen Huang (黃文)
Chairman, User Executive Committee

Shangjir Gwo

Shangjir Gwo (吳尚志)
Director, NSRRC



**2017 Taiwan Neutron Science Society
Annual Meeting and Neutron Scattering
Workshop**

**Best Poster Award
(Bronze)**

This is awarded to

國立交通大學 饒育綸

In recognition of the performance
in the
Poster Contest
held by
Taiwan Neutron Science Society, TWNSS,
on September 3, 2017

孫育綸

*Dr. Ya-Sen Sun, President
Taiwan Neutron Science Society,
TWNSS*