

Hui-Tzu Yeh

National Chiao Tung University
Department of Materials Science and Engineering
Room EF755B, Engineering Building Six
No.1001 University Road, Hsinchu 30010, Taiwan (R.O.C)
Phone: (886)-3-5712121 ext. 55314
Cell phone: 0912-176-845
E-mail: yippee0815@gmail.com
Adviser: Dr. E-Wen Huang

EDUCATION:

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| Sep. 2016 - Present | Graduate student of Materails science and Enginnering,
National Chiao Tung Univerisy, Taiwan |
| Sep. 2011 - June 2015 | B.S. of Chemical Engineering,
National United University, Taiwan |
| Sep. 2008 - June 2011 | National Tainan Chia-Chi Girls' Senior High School, Taiwan |

GRADUATE RESEARCH PROJECT:

- Sep. 2016 – Present ***Nondestructive Examination of Various Air Filters and PM_{2.5} Particle Morphology by Using Synchrotron Transmission X-ray Microscopy***

CONFERENCE:

- Nov. 2017 *Hui-Tzu Yeh¹(葉蕙慈), E-Wen Huang^{1,2}(黃爾文), Chun-Chieh Wang³(王俊杰), Wei-Chieh Huang^{1,4}(黃威捷), Yu-Hsiang Hsu⁵(許聿翔), Chun-Kai Chang⁵(章鈞凱), An-Bang Wang⁵(王安邦), Sung-Chan Li⁵(李松展), “**Nondestructive Examination of Various Air Filters and PM_{2.5} Particle Morphology by Using Synchrotron Transmission X-ray Microscopy**”, 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。

Sep. 2017 *Hui-Tzu Yeh¹(葉蕙慈), E-Wen Huang^{1,2}(黃爾文), Chun-Chieh Wang³(王俊杰), Wei-Chieh Huang^{1,4}(黃威捷), Yu-Hsiang Hsu⁵(許聿翔), Chun-Kai Chang⁵(章鈞凱), An-Bang Wang⁵(王安邦), Sung-Chan Li⁵(李松展), “**Nondestructive Examination of Various Air Filters and PM_{2.5} Particle Morphology by Using Synchrotron Transmission X-ray Microscopy**”, 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。

Sep. 2017 *Hui-Tzu Yeh¹(葉蕙慈), E-Wen Huang^{1,2}(黃爾文), Chun-Chieh Wang³(王俊杰), Wei-Chieh Huang^{1,4}(黃威捷), Yu-Hsiang Hsu⁵(許聿翔), Chun-Kai Chang⁵(章鈞凱), An-Bang Wang⁵(王安邦), Sung-Chan Li⁵(李松展), “**Nondestructive Examination of Various Air Filters and PM_{2.5} Particle Morphology by Using Synchrotron Transmission X-ray Microscopy**”, 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 CONFERENCE:

- March. 2018 *Hui-Tzu Yeh¹(葉蕙慈), E-Wen Huang^{1,2}(黃爾文), Chun-Chieh Wang³(王俊杰), Wei-Chieh Huang^{1,4}(黃威捷), Yu-Hsiang Hsu⁵(許聿翔), Chun-Kai Chang⁵(章鈞凱), An-Bang Wang⁵(王安邦), Sung-Chan Li⁵(李松展), "Nondestructive Examination of Various Air Filters and PM2.5 Particle Morphology by Using Synchrotron Transmission X-ray Microscopy", 107 年礦物金屬材料學會年會(TMS), 中華民國一百零七年三月十一日至三月十五日。

SEMINARS:

Aug.– Sep. 2017 8th X-ray Summer School of National Synchrotron Radiation Research Center (NSRRC)

Sep. 2016 2017 TWNSS Annual Meeting, Short School and Workshop

Nov. 2016 2016 International Conference on High-Entropy Materials (ICHEM 2016)

EXPERIMENTAL EXPERIENCES (INSTRUMENTS):

• Campus 校內儀器使用：

SEM 7600 (穿透式電子顯微鏡及能量散布分析儀) in National Chiao Tung University

AFM (原子力顯微鏡) in National Chiao Tung University

BET (比表面積及奈米孔洞量測儀) in National Chiao Tung University

FTIR(傅立葉轉換紅外線光譜儀) in National Chiao Tung University

• NSRRC 同步輻射儀器使用：

Transmission X-Ray Microscope 01B Beamline

Small-Angle X-Ray Scattering 23A1 Beamline

PROFESSIONAL COMPUTER SKILLS:

➤ Crystallography Diffraction Profile Analysis	❖ General Structure Analysis System (GSAS) ❖ PowderCell ❖ GSAS II
➤ Graphing & Statistics	❖ OriginPro 8 ❖ Grapher 7
➤ Image analysis	❖ Image J ❖ Cellsens dimension ❖ Photoshop CS6
➤ 3D image construction	❖ Amira
➤ Mathematics and Statistics Analysis	❖ Matlab
➤ Microsoft Office Suite	❖ Microsoft Word, Excel, Powepoint
➤ Reference Citation	❖ Endnote X7