

國家同步輻射研究中心 光束線使用時程 (TLS Schedule for NSRRC Beamline)

期別：2019-3

期間：2019/09/01 ~ 12/31

總時段數: 237 shifts

光束線： TLS 17C1 W200 - EXAFS

發言人：李志甫

經理：黃昱傑

類別：0：Proposal Evaluation Committee 1：Contract Beamline 2：Spokesperson 3：Beamline Maintenance & Study 6：Industrial Application 7：Directorate Discretion  
8：Training Course 10：Beamline Commission 11：National Project

時段數：時間單位，以用戶使用8小時為1時段計算

計畫領域：01：Atomic and Molecular 02：Surface, Interface and Thin Films 03：Condensed Matter Physics 04：Materials Sciences  
05：Chemistry 06：Soft Matter 07：Protein Crystallography 08：Environmental and Earth Science  
09：Methodology and Instrumentation 10：Nanofabrication 11：Applied and Industrial Research 12：Others

TLS 17C1	計畫編號	計畫主持人	單位	類別	起始日期	結束日期	時段數	計畫領域	計畫名稱
TLS 17C1	2019-3-011-1	林裕川	國立成功大學化工所	0	2019/10/01 09:00	2019/10/03 09:00	6	5	Understanding evolution behavior of Cu-Ni hybrid phyllosilicate
TLS 17C1	2019-3-136-1	牟中原	國立台灣大學化學系	0	2019/10/03 09:00	2019/10/04 09:00	3	5	Facile synthesis of black TiO2 for photoelectrical catalytic CO2 reduction into fuels and chemicals
TLS 17C1	2019-1-161-3	牟中原	國立台灣大學化學系	0	2019/10/04 09:00	2019/10/06 09:00	6	5	Design Au/P-type Mesocrystal Semiconductor for Plasmonic Photocatalysis
TLS 17C1	2019-1-015-3	李志甫	NSRRC	2	2019/10/07 09:00	2019/10/08 09:00	3	4	Structural Characterization of Advanced Functional Materials using X-ray Absorption Spectroscopy
TLS 17C1	2019-1-285-3	楊弘敦	國立中山大學物理系	0	2019/10/08 09:00	2019/10/10 09:00	6	3	Exploring the origins of the complex magnetism and multiferroics in the low-dimensional magnetic materials using the synchrotron radiation source
TLS 17C1	2019-2-183-2	謝輝煌	國防大學中正理工學院電機系	0	2019/10/10 09:00	2019/10/11 09:00	3	3	The Studies of New Scintillator Materials
TLS 17C1	2019-2-061-2	林浩雄	國立台灣大學電機系	0	2019/10/11 09:00	2019/10/12 09:00	3	2	Study on dilute GaAsBi alloy semiconductor and the semi-covalent bonding behavior in Bi crystal
TLS 17C1	2018-3-240-9	林錕松	元智大學化學工程與材料科學學系	0	2019/10/12 09:00	2019/10/14 09:00	6	8	Structural Characterization of Ni5Ga3 and CuO-ZnO-Al2O3 Catalysts for CO2 Conversion to CH3OH/DME by XANES/EXAFS Spectroscopy
TLS 17C1	2018-3-090-4	劉如熹	國立台灣大學化學系	0	2019/10/15 09:00	2019/10/17 09:00	6	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation

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TLS 17C1	2019-1-184-3	陳錦明	NSRRC	0	2019/10/17 09:00	2019/10/18 09:00	3	3	In-situ investigation of electronic structure, spin state and crystal structure on energy-related materials and strongly correlated electron materials under extreme condition
TLS 17C1	2019-1-155-3	林家裕	國立成功大學化工所	0	2019/10/18 09:00	2019/10/19 09:00	3	2	Monitoring the formation of active species in transitional metal based electrocatalyst during electrocatalytic water oxidation using Synchrotron X-ray Absorption Spectroscopy
TLS 17C1	2019-1-128-3	林彥谷	NSRRC	0	2019/10/19 09:00	2019/10/20 09:00	3	5	Probing the interfacial properties of semiconductor hybrids for green energy applications
TLS 17C1	2019-1-015-3	李志甫	NSRRC	2	2019/10/21 09:00	2019/10/22 09:00	3	4	Structural Characterization of Advanced Functional Materials using X-ray Absorption Spectroscopy
TLS 17C1	2018-3-066-4	吳乃立	國立台灣大學化工系	0	2019/10/22 09:00	2019/10/24 09:00	6	4	Research on High-Energy Multinary Oxides Pseudocapacitors (2018-3)
TLS 17C1	2019-1-396-3	陳翰儀	國立清華大學材料科學工程學系	0	2019/10/24 09:00	2019/10/26 09:00	6	2	In-situ X-ray Absorption, X-ray Diffraction, and transmission X-ray microscopy studies of metal oxide electrodes for lithium ion batteries, sodium ion batteries, and supercapacitors-Part 3
TLS 17C1	2019-1-195-3	董崇禮	淡江大學物理系	0	2019/10/26 09:00	2019/10/28 09:00	6	4	Interfacial nanostructured engineered photoelectrodes for efficient energy conversion studied with operando x-ray spectroscopy
TLS 17C1	2019-1-340-3	陳敬勳	長庚大學通識教育中心	0	2019/10/29 09:00	2019/10/30 09:00	3	2	Mechanism of decompose large Cu crystalline to ultrasmall particles using atomic layer deposition technique
TLS 17C1	2019-1-091-3	楊家銘	國立清華大學化學系	0	2019/10/30 09:00	2019/11/01 09:00	6	5	In-situ structural studies of nanosized metals or metal oxides on mesoporous silica nanoparticles or sandwiched between zeolite nanosheets during selective oxidation of small molecules
TLS 17C1	2019-1-214-3	蘇雲良	NSRRC	2	2019/11/01 09:00	2019/11/03 09:00	6	3	Studies of Catalytic and 2D Materials Using Synchrotron Radiation X-ray Absorption Techniques
TLS 17C1	2019-3-216-1	席行正	國立台灣大學環境工程學研究所	0	2019/11/04 09:00	2019/11/05 09:00	3	4	Surface Chemistry Analysis by XANES/EXAFS Spectroscopy for Sulfurized Magnetic Activated Carbon Utilized in Hg(II) Capture
TLS 17C1	2019-2-124-2	劉雨庭	國立中興大學土壤環境科學系	0	2019/11/05 09:00	2019/11/07 09:00	6	8	Catalytic Oxidation and Removal of Thallium(I) in the Presence of Fe Ions and Zero-Valent Al Metals

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TLS 17C1	2019-3-079-1	Rinklebe, Joerg	Bergische Universität Wuppertal (BUW, University of Wuppertal), School of Architecture and Civil Engineering	0	2019/11/07 09:00	2019/11/09 09:00	6	8	Impact of raw and iron-modified biochars on the redox-induced mobilization, speciation, and ecotoxicology of As in paddy soil
TLS 17C1	2019-1-014-3	Hashimoto, Yohei	Tokyo University of Agriculture and Technology (TUAT), Faculty of Agriculture	0	2019/11/09 09:00	2019/11/10 09:00	3	8	Chemical Speciation of Vanadium in Soils
TLS 17C1	2019-2-191-2	王尚禮	國立台灣大學農化系(所)	0	2019/11/10 09:00	2019/11/11 09:00	3	8	Mechanistic study on the Ga(III) and In(III) adsorptions of major soil colloidal constituents
TLS 17C1	2019-1-015-3	李志甫	NSRRC	2	2019/11/12 09:00	2019/11/13 09:00	3	4	Structural Characterization of Advanced Functional Materials using X-ray Absorption Spectroscopy
TLS 17C1	2019-3-059-1	吳樸偉	國立交通大學材料科學與工程系所	0	2019/11/13 09:00	2019/11/14 09:00	3	4	Synthesis of chemically-derived iridium oxide thin film and nanoparticles along with its electrochemical properties investigation
TLS 17C1	2019-3-048-1	曾院介	國立交通大學材料科學與工程系所	0	2019/11/14 09:00	2019/11/15 09:00	3	4	Realtime probe of interface reconstruction upon device breakdown in magnetic tunnel junctions (MTJs) using in-situ X-ray techniques
TLS 17C1	2019-3-155-1	鍾博文	中央研究院化學所	0	2019/11/15 09:00	2019/11/16 09:00	3	5	Understanding Rational Design of Surface Modification on Solid Catalysts for Valorization of Lignocellulosic Biomass Waste
TLS 17C1	2019-1-182-3	彭維鋒	淡江大學物理系	0	2019/11/16 09:00	2019/11/18 09:00	6	3	Electronic/Atomic Structures, Orbital and Magnetic Properties of the Highly Correlated Electron Systems.
TLS 17C1	2019-1-288-3	俞聖法	中央研究院化學所	0	2019/11/18 09:00	2019/11/20 09:00	6	5	X-ray Absorption Spectroscopic Studies of Ag/Cu/Fe Nanoparticles Accumulated from AgNO <sub>3</sub> , Cu(CH <sub>3</sub> CN) <sub>4</sub> ClO <sub>4</sub> and Fe(ClO <sub>4</sub> ) <sub>2</sub> in CH <sub>3</sub> CN using H <sub>2</sub> O <sub>2</sub> (aq) as an Oxidant for the Selective Oxidation of Light Alkanes, Olefins and Simple Aromatics
TLS 17C1	2018-3-077-4	謝明惠	國立台灣師範大學化學系	0	2019/11/20 09:00	2019/11/22 09:00	6	5	Well-defining the Physical Oxidation State and Electronic Structures of Main Group-incorporated Transition Metal Carbonyl Clusters and Polymers via Synchrotron Radiation Spectroscopy
TLS 17C1	2019-1-246-3	黃炳照	國立台灣科技大學化工系	0	2019/11/22 09:00	2019/11/25 09:00	9	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials

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TLS 17C1	2019-1-015-3	李志甫	NSRRC	2	2019/11/26 09:00	2019/11/27 09:00	3	4	Structural Characterization of Advanced Functional Materials using X-ray Absorption Spectroscopy
TLS 17C1	2019-1-302-3	施養信	國立台灣大學農化系(所)	0	2019/11/27 09:00	2019/11/28 09:00	3	8	The synthesis and characterization of bimetallic zerovalent metal nanoparticles and the application and mechanism for removing organic compounds in the subsurface
TLS 17C1	2019-2-118-2	陳浩銘	國立台灣大學化學系	0	2019/11/28 09:00	2019/12/01 09:00	9	5	Operando realizing the behaviors of catalytic materials in liquid electrolyte
TLS 17C1	2019-3-218-1	陳詩芸	國立台灣科技大學材料科學與工程學系(所)	0	2019/12/02 09:00	2019/12/03 09:00	3	4	Study of metal oxide hollow spheres with various surface states and their photocatalytic properties
TLS 17C1	2019-3-226-1	施凱閔	香港大學土木工程系	0	2019/12/03 09:00	2019/12/04 09:00	3	4	New alkali earth metal and transition metal co-doped vanadates as cathodes for fast Li intercalation
TLS 17C1	2019-1-001-3	詹丁山	NSRRC	2	2019/12/04 09:00	2019/12/06 09:00	6	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 17C1	2019-1-216-3	王丞浩	國立台灣科技大學材料科學與工程學系(所)	0	2019/12/06 09:00	2019/12/07 09:00	3	1	NCKU-National Cheng Kung Headquarters of University Advancement - Hierarchical Green-Energy Materials Research Center-2
TLS 17C1	2019-1-152-3	王復民	國立台灣科技大學應用科技研究所	0	2019/12/07 09:00	2019/12/09 09:00	6	4	In situ/ in operando observations of Ni-rich cathode material in lithium ion battery
TLS 17C1	2019-1-015-3	李志甫	NSRRC	2	2019/12/10 09:00	2019/12/11 09:00	3	4	Structural Characterization of Advanced Functional Materials using X-ray Absorption Spectroscopy
TLS 17C1	2018-2-165-5	林昇佃	國立台灣科技大學化工系	0	2019/12/11 09:00	2019/12/12 09:00	3	5	Explore the Synergetic Effect of Metal and Support with Catalytic Applications (CO2 Utilization and Green Energy)
TLS 17C1	2019-1-314-3	魯才德	國立清華大學生物醫學工程學系	0	2019/12/12 09:00	2019/12/13 09:00	3	5	Development of NO-delivery Metal Complexes and Materials for X-ray Photodynamic Therapy
TLS 17C1	2018-3-252-4	許益瑞	國立台北科技大學分子科學與工程系	0	2019/12/13 09:00	2019/12/15 09:00	6	5	Structure Characterization of coordination complexes with spin transition and luminescence characters by x-ray spectroscopy and powder x-ray diffraction
TLS 17C1	2019-1-103-3	郭俊宏	中央研究院化學所	0	2019/12/16 09:00	2019/12/17 09:00	3	4	Hybrid Molecule Complex Carbon Nitride Photocatalytic Systems toward CO2 Photoreduction
TLS 17C1	2019-3-125-1	孫旭輝	蘇州大學功能納米與軟物質研究院	0	2019/12/17 09:00	2019/12/19 09:00	6	4	Investigation the role of H2O for the oxidation of CO at Au/Al2O3 and Au/Fe2O3 interface

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TLS 17C1	2019-1-390-3	陳貴賢	中央研究院原分所	0	2019/12/19 09:00	2019/12/21 09:00	6	4	Understanding Highly Efficient Materials for Conversion and Conservation Green Energy Technologies
TLS 17C1	2019-1-384-3	吳恆良	國立台灣大學凝態科學研究中心	0	2019/12/21 09:00	2019/12/22 09:00	3	2	The Effect of Cosolvent and Carbon Materials on Lithium-Sulfur Batteries and Advanced Li-ion Batteries
TLS 17C1	2019-2-025-2	王冠文	國立中央大學材料科學與工程研究所	0	2019/12/22 09:00	2019/12/23 09:00	3	4	Preparation and Characterization of Nanocatalysts for Electrochemical CO <sub>2</sub> Reduction and Hydrogen Evolution Reactions
TLS 17C1	2019-1-243-3	陳燦耀	國立清華大學工程及系統科學系	0	2019/12/24 09:00	2019/12/25 09:00	3	3	In-situ X-ray absorption / photoemission studies on plasma assisted CO <sub>2</sub> conversion on heterogeneous metal-metal oxide catalysts
TLS 17C1	2019-1-221-3	賴英煌	東海大學化學系	0	2019/12/25 09:00	2019/12/26 09:00	3	2	Pt-modified dendritic gold as a highly efficient photoelectrocatalyst for the formic acid oxidation reaction
TLS 17C1	2019-1-175-3	劉恒睿	國立中興大學材料系	0	2019/12/26 09:00	2019/12/27 09:00	3	4	Investigation of lattice and electronic structures of low dimensional oxide heterostructures or nanocrystals for solar harvesting applications.
TLS 17C1	2018-1-130-6	劉志	中國科學院上海微系統與信息技術研究所	0	2019/12/27 09:00	2019/12/29 09:00	6	4	In-operando investigation on the enhancing mechanism of sulfur -TiO <sub>x</sub> /TiC composite electrodes by X-ray absorption spectroscopy
TLS 17C1	2019-1-015-3	李志甫	NSRRC	2	2019/12/29 09:00	2019/12/30 09:00	3	4	Structural Characterization of Advanced Functional Materials using X-ray Absorption Spectroscopy

17C1 PEC: 207 Shifts (87.3%)

SPK: 30 Shifts (12.7%)