

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

期別：2019-2

期間：2019/05/07 ~ 08/31

總時段數: 216 shifts

光束線：	TLS 01C1 SWLS - EXAFS	發言人：	詹丁山	經理：	盧英睿
光束線：	TLS 01C2 SWLS - X-ray Powder Diffraction	發言人：	許火順	經理：	張仲凱

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 01C	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 01C2	2019-1-316-2	許火順	NSRRC	2	2019/05/07 09:00	2019/05/08 09:00	3	4	In situ real time powder diffraction of advanced materials (II)
TLS 01C2	2019-2-156-1	Hu, Zhiwei	Max-Planck-Gesellschaft, Max Planck Institute for Chemical Physics of Solids (MPI, CPFS)	0	2019/05/08 09:00	2019/05/09 09:00	3	4	Study of oxygen vacancy ordering in efficient hydrogen-evolving perovskite oxides
TLS 01C2	2019-2-118-1	陳浩銘	國立台灣大學化學系	0	2019/05/09 09:00	2019/05/12 09:00	9	5	Operando realizing the behaviors of catalytic materials in liquid electrolyte
TLS 01C2	2019-2-204-1	張仁瑞	國立中正大學化工系	0	2019/05/13 09:00	2019/05/14 09:00	3	11	Preparation and Oxchlorination Redispersion of Pt Supported CeO <sub>2</sub> -Washcoated Cordierite Base Catalysts for Catalytic Diesel Particulate Filter: XRPD and XAS Investigation
TLS 01C2	2018-3-090-3	劉如熹	國立台灣大學化學系	0	2019/05/14 09:00	2019/05/15 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TLS 01C2	2019-1-030-2	吳乃立	國立台灣大學化工系	0	2019/05/15 09:00	2019/05/16 09:00	3	4	In operando studies of phase transformation of alloying materials as anode for Na-ion batteries (2019)
TLS 01C2	2019-2-033-1	林嘉和	中原大學化學所	0	2019/05/16 09:00	2019/05/17 09:00	3	5	Structural characterizations of nano-porous metal-organic frameworks by PXRD
TLS 01C2	2019-1-384-2	吳恆良	國立台灣大學凝態科學研究中心	0	2019/05/17 09:00	2019/05/18 09:00	3	2	The Effect of Cosolvent and Carbon Materials on Lithium-Sulfur Batteries and Advanced Li-ion Batteries
TLS 01C2	2019-1-234-2	周方正	NSRRC	0	2019/05/18 09:00	2019/05/20 09:00	6	3	Synchrotron X-ray structure determination of topological materials, layered materials of controlled vacancy/intercalation, and novel functional materials

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TLS 01C1	2019-1-286-2	Sun, Xueliang	University of Western Ontario, Department of Mechanical and Materials Engineering	0	2019/06/04 09:00	2019/06/06 09:00	6	4	The Ex situ and Operando XAFS study of Se-doped black phosphorus as anodes for lithium-ion batteries and sodium-ion batteries
TLS 01C1	2019-1-322-2	劉沂欣	國立台灣師範大學化學系	0	2019/06/06 09:00	2019/06/07 09:00	3	5	Unraveling of Crystalline Structures in Mesoporous 2D Semiconductors via Synchrotron Radiation Characterizations
TLS 01C1	2019-1-163-2	曾院介	國立交通大學材料科學與工程系所	0	2019/06/07 09:00	2019/06/08 09:00	3	2	Reliability Study of Negative Capacitance Field-effect Transistors by In-situ X-Ray Techniques
TLS 01C1	2019-1-001-2	詹丁山	NSRRC	2	2019/06/08 09:00	2019/06/09 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2019-2-118-1	陳浩銘	國立台灣大學化學系	0	2019/06/10 09:00	2019/06/12 09:00	6	5	Operando realizing the behaviors of catalytic materials in liquid electrolyte
TLS 01C1	2019-1-138-2	胡宇光	中央研究院物理所	0	2019/06/12 09:00	2019/06/13 09:00	3	4	The Characterization of Biocompatible X-ray Scintillating Nanoparticles for Biomedical Applications by Using EXAFS
TLS 01C1	2019-2-216-1	吳樸偉	國立交通大學材料科學與工程系所	0	2019/06/13 09:00	2019/06/14 09:00	3	4	Investigation of iridium oxide thin film and nanoparticles formation in wet chemical route and study of their electrochemical properties
TLS 01C1	2019-1-001-2	詹丁山	NSRRC	2	2019/06/14 09:00	2019/06/15 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2019-2-118-1	陳浩銘	國立台灣大學化學系	0	2019/06/15 09:00	2019/06/17 09:00	6	5	Operando realizing the behaviors of catalytic materials in liquid electrolyte
TLS 01C2	2019-1-001-2	詹丁山	NSRRC	2	2019/06/18 09:00	2019/06/19 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C2	2017-3-256-6	莊偉綜	NSRRC	0	2019/06/19 09:00	2019/06/20 09:00	3	4	Hierarchical structures of nacre-mimetic nanocomposites for flexible supercapacitors
TLS 01C2	2019-1-148-2	郭力維	國立中央大學地球科學學系	0	2019/06/20 09:00	2019/06/21 09:00	3	8	Deciphering fault rocks of brittle to semi-brittle deformation: field and laboratory constraints
TLS 01C2	2019-2-222-1	李之釗	NSRRC	2	2019/06/21 09:00	2019/06/22 09:00	3	4	structure phase transition and magnetic property studies under High pressure on Cu <sub>2</sub> OSeO <sub>3</sub>
TLS 01C2	2018-3-252-3	許益瑞	國立台北科技大學分子科學與工程系	0	2019/06/22 09:00	2019/06/23 09:00	3	5	Structure Characterization of coordination complexes with spin transition and luminescence characters by x-ray spectroscopy and powder x-ray diffraction

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TLS 01C2	2019-1-246-2	黃炳照	國立台灣科技大學化工系	0	2019/06/24 09:00	2019/06/25 09:00	3	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials
TLS 01C2	2019-2-200-1	陳燕華	國立成功大學地科系	0	2019/06/25 09:00	2019/06/26 09:00	3	8	Deformation Mechanism of Chungliao Tunnel in No. 3 National Highway of Taiwan: Investigation of Microstructure and Mineral Characterization of Chishan Fault and South Section of Longchuan Fault via synchrotron radiation techniques
TLS 01C2	2019-2-108-1	光源產業應用小組	NSRRC	6	2019/06/26 09:00	2019/06/27 09:00	3	11	Synchrotron study of semiconductor thin-film materials (VI-1)
TLS 01C2	2019-1-131-2	郭俊宏	中央研究院化學所	0	2019/06/27 09:00	2019/06/28 09:00	3	5	Insights into Gas Ad-Desorption Behaviors of Au-Based Nanosensors
TLS 01C2	2019-2-217-1	楊仲準	中原大學物理系	0	2019/06/28 09:00	2019/06/29 09:00	3	3	Study of liquid-like phase transition of argyrodites
TLS 01C2	2019-1-310-2	吳茂昆	中央研究院物理所	0	2019/06/29 09:00	2019/06/30 09:00	3	3	Structure transitions in MnSe studied by angle-dispersive X-ray diffraction
TLS 01C2	2019-1-342-2	吳茂昆	中央研究院物理所	0	2019/06/30 09:00	2019/07/01 09:00	3	4	The study of structure between Fe order/disorder state in the K-(Metal)-Fe-Se system at 5K to 1100K.
TLS 01C1	2019-2-065-1	de Groot, Franciscus	Utrecht Univ., Inorganic Chemistry & Catalysis	0	2019/07/02 09:00	2019/07/04 09:00	6	4	In situ/Operando X-ray absorption (XAS) spectroscopic observation on Cu-Sn bimetallic alloy for electrocatalytic carbon dioxide reduction
TLS 01C1	2019-2-001-1	譚勇文	湖南大學材料科學與工程學院	0	2019/07/04 09:00	2019/07/06 09:00	6	4	Operando X-ray absorption spectroscopic observation on single Platinum atoms decorated nanoporous transition-metal compounds water splitting electrocatalyst
TLS 01C1	2019-1-001-2	詹丁山	NSRRC	2	2019/07/06 09:00	2019/07/07 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2018-3-240-3	林錕松	元智大學化學工程與材料科學學系	0	2019/07/08 09:00	2019/07/09 09:00	3	8	Structural Characterization of Ni <sub>5</sub> Ga <sub>3</sub> and CuO-ZnO-Al <sub>2</sub> O <sub>3</sub> Catalysts for CO <sub>2</sub> Conversion to CH <sub>3</sub> OH/DME by XANES/EXAFS Spectroscopy
TLS 01C1	2018-3-077-3	謝明惠	國立台灣師範大學化學系	0	2019/07/09 09:00	2019/07/10 09:00	3	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 01C1	2019-1-243-2	陳燦耀	國立清華大學工程及系統科學系	0	2019/07/10 09:00	2019/07/11 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

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TLS 01C1	2018-3-090-3	劉如熹	國立台灣大學化學系	0	2019/07/11 09:00	2019/07/12 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TLS 01C1	2019-2-071-1	Hu, Zhiwei	Max-Planck-Gesellschaft, Max Planck Institute for Chemical Physics of Solids (MPI, CPfS)	0	2019/07/12 09:00	2019/07/13 09:00	3	4	In situ XAS Studies on high-capacity Lithium-rich Li <sub>2</sub> MoO <sub>3</sub> and Li <sub>2</sub> RuO <sub>3</sub> for Lithium Ion Batteries
TLS 01C1	2019-1-182-2	彭維鋒	淡江大學物理系	0	2019/07/13 09:00	2019/07/14 09:00	3	3	Electronic/Atomic Structures, Orbital and Magnetic Properties of the Highly Correlated Electron Systems.
TLS 01C1	2019-1-195-2	董崇禮	淡江大學物理系	0	2019/07/14 09:00	2019/07/15 09:00	3	4	Interfacial nanostructured engineered photoelectrodes for efficient energy conversion studied with operando x-ray spectroscopy
TLS 01C2	2019-1-128-2	林彥谷	NSRRC	0	2019/07/16 09:00	2019/07/17 09:00	3	5	Probing the interfacial properties of semiconductor hybrids for green energy applications
TLS 01C2	2019-1-408-2	徐嘉鴻	NSRRC	2	2019/07/17 09:00	2019/07/18 09:00	3	2	X-ray scattering of novel thin films materials (II)
TLS 01C2	2019-2-072-1	王建隆	國立交通大學應用化學系	0	2019/07/18 09:00	2019/07/19 09:00	3	1	Host-Guest Chemistry of Functional Molecular Nanoparticles
TLS 01C2	2018-1-044-5	王迪彥	東海大學化學系	0	2019/07/19 09:00	2019/07/20 09:00	3	4	In-situ Observation of Structure Transformation of Different Carbon Materials during AlCl <sub>4</sub> <sup>-</sup> Anions Intercalation/deintercalation in Al Ion Battery
TLS 01C2	2018-3-150-3	王復民	國立台灣科技大學應用科技研究所	0	2019/07/20 09:00	2019/07/21 09:00	3	4	In situ/ in operando observations of Ni-rich cathode material of lithium ion battery
TLS 01C2	2018-2-118-4	王俊杰	NSRRC	0	2019/07/22 09:00	2019/07/23 09:00	3	4	Study of In-situ High-Entropy Alloy Lattice Deformation under High Temperature Using Synchrotron X-ray Diffraction Techniques
TLS 01C2	2019-1-409-2	莊偉綜	NSRRC	2	2019/07/23 09:00	2019/07/24 09:00	3	5	Organometal Halide Perovskite and Cross-Linkable Fullerene Blended High-Performance Bulk Heterojunction Solar Cells (II)
TLS 01C2	2019-1-322-2	劉沂欣	國立台灣師範大學化學系	0	2019/07/24 09:00	2019/07/25 09:00	3	5	Unraveling of Crystalline Structures in Mesoporous 2D Semiconductors via Synchrotron Radiation Characterizations
TLS 01C2	2019-1-316-2	許火順	NSRRC	2	2019/07/25 09:00	2019/07/26 09:00	3	4	In situ real time powder diffraction of advanced materials (II)

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TLS 01C2	2018-3-090-3	劉如熹	國立台灣大學化學系	0	2019/07/26 09:00	2019/07/27 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TLS 01C2	2019-1-311-2	盧桂子	NSRRC	0	2019/07/27 09:00	2019/07/28 09:00	3	4	In-situ X-ray spectroscopic study of 3D nanostructured materials for high-performance supercapacitors
TLS 01C2	2019-1-184-2	陳錦明	NSRRC	0	2019/07/28 09:00	2019/07/29 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 01C1	2019-1-001-2	詹丁山	NSRRC	2	2019/07/30 09:00	2019/07/31 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2018-3-150-3	王復民	國立台灣科技大學應用科技研究所	0	2019/07/31 09:00	2019/08/01 09:00	3	4	In situ/ in operando observations of Ni-rich cathode material of lithium ion battery
TLS 01C1	2019-1-288-2	俞聖法	中央研究院化學所	0	2019/08/01 09:00	2019/08/02 09:00	3	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 01C1	2019-1-385-2	李志浩	國立清華大學工程及系統科學系	0	2019/08/02 09:00	2019/08/03 09:00	3	2	Photocatalytic CO <sub>2</sub> Reduction and optoelectronic studies of SnS <sub>2</sub> thin film by using In-plane GIXS and Absorption techniques
TLS 01C1	2019-1-214-2	蘇雲良	NSRRC	2	2019/08/03 09:00	2019/08/04 09:00	3	3	Studies of Catalytic and 2D Materials Using Synchrotron Radiation X-ray Absorption Techniques
TLS 01C1	2018-1-095-5	林麗瓊	國立台灣大學凝態科學研究中心	0	2019/08/05 09:00	2019/08/06 09:00	3	4	In-situ X-ray Spectroscopic Studies on 2D-related Nanomaterials and Their Hybrids in Green Energy Applications
TLS 01C1	2019-1-390-2	陳貴賢	中央研究院原分所	0	2019/08/06 09:00	2019/08/07 09:00	3	4	Understanding Highly Efficient Materials for Conversion and Conservation Green Energy Technologies
TLS 01C1	2019-2-194-1	劉敏	中南大學物理與電子學院	0	2019/08/07 09:00	2019/08/09 09:00	6	4	Atomically dispersed molybdenum nitride trigger water dissociation boosting hydrogen evolution in alkaline solution
TLS 01C1	2019-1-001-2	詹丁山	NSRRC	2	2019/08/09 09:00	2019/08/10 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2019-1-246-2	黃炳照	國立台灣科技大學化工系	0	2019/08/10 09:00	2019/08/12 09:00	6	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials

01C1	PEC: 90 Shifts (41.7%)	SPK: 18 Shifts (8.3%)	
01C2	PEC: 87 Shifts (40.3%)	SPK: 18 Shifts (8.3%)	IA: 3 Shifts (1.4%)