

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

期別：2019-1

期間：2019/01/01 ~ 05/06

總時段數: 198 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 01C1	2018-2-165-3	林昇佃	國立台灣科技大學化工系	0	2019/02/19 09:00	2019/02/20 09:00	3	5	Explore the Synergetic Effect of Metal and Support with Catalytic Applications (CO2 Utilization and Green Energy)
TLS 01C1	2019-1-091-1	楊家銘	國立清華大學化學系	0	2019/02/20 09:00	2019/02/21 09:00	3	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 01C1	2019-1-138-1	胡宇光	中央研究院物理所	0	2019/02/21 09:00	2019/02/22 09:00	3	4	The Characterization of Biocompatible X-ray Scintillating Nanoparticles for Biomedical Applications by Using EXAFS
TLS 01C1	2019-1-243-1	陳燦耀	國立清華大學工程及系統科學系	0	2019/02/22 09:00	2019/02/23 09:00	3	3	In-situ X-ray absorption / photoemission studies on plasma assisted CO2 conversion on heterogeneous metal-metal oxide catalysts
TLS 01C1	2019-1-184-1	陳錦明	NSRRC	0	2019/02/23 09:00	2019/02/24 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	2019-1-214-1	蘇雲良	NSRRC	2	2019/02/24 09:00	2019/02/25 09:00	3	3	Studies of Catalytic and 2D Materials Using Synchrotron Radiation X-ray Absorption Techniques
TLS 01C1	2018-1-095-4	林麗瓊	國立台灣大學凝態科學研究中心	0	2019/02/26 09:00	2019/02/27 09:00	3	4	In-situ X-ray Spectroscopic Studies on 2D-related Nanomaterials and Their Hybrids in Green Energy Applications
TLS 01C1	2019-1-390-1	陳貴賢	中央研究院原分所	0	2019/02/27 09:00	2019/02/28 09:00	3	4	Understanding Highly Efficient Materials for Conversion and Conservation Green Energy Technologies

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TLS 01C1	2019-1-385-1	李志浩	國立清華大學工程及系統科學系	0	2019/02/28 09:00	2019/03/01 09:00	3	2	Photocatalytic CO2 Reduction and optoelectronic studies of SnS2 thin film by using In-plane GIXS and Absorption techniques
TLS 01C2	2019-1-321-1	許火順	NSRRC	3	2019/03/01 09:00	2019/03/02 09:00	3	12	Beamtime Main. & Study
TLS 01C2	2019-1-131-1	郭俊宏	中央研究院化學所	0	2019/03/02 09:00	2019/03/04 09:00	6	5	Insights into Gas Ad-Desorption Behaviors of Au-Based Nanosensors
TLS 01C2	2018-2-062-9	康敦彥	國立台灣大學化工系	0	2019/03/04 09:00	2019/03/05 09:00	3	4	In-situ powder XRD for investigation of flexibility of metal-organic frameworks in the presence of various gases
TLS 01C2	2019-1-151-1	光源產業應用小組	NSRRC	6	2019/03/05 09:00	2019/03/06 09:00	3	11	Synchrotron study of semiconductor thin-film materials (V-3)
TLS 01C2	2017-3-256-5	莊偉綜	NSRRC	0	2019/03/06 09:00	2019/03/07 09:00	3	4	Hierarchical structures of nacre-mimetic nanocomposites for flexible supercapacitors
TLS 01C2	2019-1-030-1	吳乃立	國立台灣大學化工系	0	2019/03/07 09:00	2019/03/08 09:00	3	4	In operando studies of phase transformation of alloying materials as anode for Na-ion batteries (2019)
TLS 01C2	2019-1-246-1	黃炳照	國立台灣科技大學化工系	0	2019/03/08 09:00	2019/03/10 09:00	6	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials
TLS 01C2	2018-3-090-2	劉如熹	國立台灣大學化學系	0	2019/03/12 09:00	2019/03/13 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TLS 01C2	2019-1-247-1	鍾博文	中央研究院化學所	0	2019/03/13 09:00	2019/03/14 09:00	3	5	Understanding Rational Design of Surface Modification on Solid Catalysts for Valorization of Lignocellulosic Biomass Waste
TLS 01C2	2019-1-184-1	陳錦明	NSRRC	0	2019/03/14 09:00	2019/03/15 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 01C2	2019-1-311-1	盧桂子	NSRRC	0	2019/03/15 09:00	2019/03/16 09:00	3	4	In-situ X-ray spectroscopic study of 3D nanostructured materials for high-performance supercapacitors
TLS 01C2	2019-1-365-1	許家琳	東海大學歷史學系	0	2019/03/16 09:00	2019/03/17 09:00	3	12	Crystals in the Clay and the Black Gloss of the Pottery from Athens, Greece, Dated c. 500-c.100 BCE
TLS 01C2	2018-3-252-2	許益瑞	國立台北科技大學分子科學與工程系	0	2019/03/17 09:00	2019/03/18 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	2019-1-128-1	林彥谷	NSRRC	0	2019/03/18 09:00	2019/03/19 09:00	3	5	Probing the interfacial properties of semiconductor hybrids for green energy applications
TLS 01C2	2019-1-322-1	劉沂欣	國立台灣師範大學化學系	0	2019/03/19 09:00	2019/03/20 09:00	3	5	Unraveling of Crystalline Structures in Mesoporous 2D Semiconductors via Synchrotron Radiation Characterizations
TLS 01C2	2018-3-144-2	邱郁菁	大同大學化學工程系(所)	0	2019/03/20 09:00	2019/03/21 09:00	3	2	X-ray synthesis and structural characterization of Pd based catalysts supported on PANI and MOS modified MWCNTs
TLS 01C2	2018-3-150-2	王復民	國立台灣科技大學應用科技研究所	0	2019/03/21 09:00	2019/03/22 09:00	3	4	In situ/ in operando observations of Ni-rich cathode material of lithium ion battery
TLS 01C2	2019-1-148-1	郭力維	國立中央大學地球科學學系	0	2019/03/22 09:00	2019/03/23 09:00	3	8	Deciphering fault rocks of brittle to semi-brittle deformation: field and laboratory constraints
TLS 01C2	2018-1-044-4	王迪彥	東海大學化學系	0	2019/03/23 09:00	2019/03/24 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 01C1	2019-1-109-1	Huang, Longbin	The University of Queensland, Sustainable Minerals Institute, Centre for Mined Land Rehabilitation (CMLR)	0	2019/03/26 09:00	2019/03/28 09:00	6	8	Iron speciation changes in magnetite iron-ore tailings undergoing rhizosphere-driven bioweathering and organo-mineral interactions
TLS 01C1	2019-1-001-1	詹丁山	NSRRC	2	2019/03/28 09:00	2019/03/29 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2019-1-288-1	俞聖法	中央研究院化學所	0	2019/03/29 09:00	2019/03/30 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	2019-1-182-1	彭維鋒	淡江大學物理系	0	2019/03/30 09:00	2019/03/31 09:00	3	3	Electronic/Atomic Structures, Orbital and Magnetic Properties of the Highly Correlated Electron Systems.
TLS 01C1	2019-1-195-1	董崇禮	淡江大學物理系	0	2019/03/31 09:00	2019/04/01 09:00	3	4	Interfacial nanostructured engineered photoelectrodes for efficient energy conversion studied with operando x-ray spectroscopy

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TLS 01C1	2019-1-286-1	Sun, Xueliang	University of Western Ontario, Department of Mechanical and Materials Engineering	0	2019/04/01 09:00	2019/04/03 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	2018-3-246-2	楊弘敦	國立中山大學物理系	0	2019/04/03 09:00	2019/04/04 09:00	3	3	CaCu <sub>3</sub> (Ti <sub>4-x</sub> Ru <sub>x</sub> )O <sub>12</sub> : a new Mott insulator
TLS 01C1	2018-3-240-2	林錕松	元智大學化學工程與材料科學學系	0	2019/04/04 09:00	2019/04/05 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	2019-1-163-1	曾院介	國立交通大學材料科學與工程系所	0	2019/04/05 09:00	2019/04/06 09:00	3	2	Reliability Study of Negative Capacitance Field-effect Transistors by In-situ X-Ray Techniques
TLS 01C1	2018-1-170-4	黃榮俊	國立成功大學物理系	0	2019/04/06 09:00	2019/04/07 09:00	3	3	Spin and charge transport on bulk and quantum-dimensional topological insulators of new class of quantum intelligent materials synthesis fundamental study and perspective applications
TLS 01C2	2018-2-165-3	林昇佃	國立台灣科技大學化工系	0	2019/04/09 09:00	2019/04/10 09:00	3	5	Explore the Synergetic Effect of Metal and Support with Catalytic Applications (CO <sub>2</sub> Utilization and Green Energy)
TLS 01C2	2018-1-209-4	李之釗	NSRRC	2	2019/04/10 09:00	2019/04/11 09:00	3	5	High pressure phase transition structural and physical property studies on novel molecular material-II
TLS 01C2	2019-1-098-1	葉安義	國立台灣大學	0	2019/04/11 09:00	2019/04/12 09:00	3	6	The Structure of Crystallization formed in Margarine Containing Palm Oil
TLS 01C2	2019-1-145-1	張仍奎	國立交通大學材料科學與工程系所	0	2019/04/12 09:00	2019/04/13 09:00	3	4	Investigating reaction mechanisms of battery and supercapacitor materials using synchrotron radiation analysis techniques
TLS 01C2	2019-1-234-1	周方正	NSRRC	0	2019/04/13 09:00	2019/04/15 09:00	6	3	Synchrotron X-ray structure determination of topological materials, layered materials of controlled vacancy/intercalation, and novel functional materials
TLS 01C2	2019-1-408-1	徐嘉鴻	NSRRC	2	2019/04/15 09:00	2019/04/16 09:00	3	2	X-ray scattering of novel thin films materials (II)
TLS 01C2	2018-2-118-3	王俊杰	NSRRC	0	2019/04/16 09:00	2019/04/17 09:00	3	4	Study of In-situ High-Entropy Alloy Lattice Deformation under High Temperature Using Synchrotron X-ray Diffraction Techniques
TLS 01C2	2018-3-090-2	劉如熹	國立台灣大學化學系	0	2019/04/17 09:00	2019/04/18 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TLS 01C2	2019-1-316-1	許火順	NSRRC	2	2019/04/18 09:00	2019/04/19 09:00	3	4	In situ real time powder diffraction of advanced materials (II)

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TLS 01C2	2019-1-310-1	吳茂昆	中央研究院物理所	0	2019/04/19 09:00	2019/04/20 09:00	3	3	Structure transitions in MnSe studied by angle-dispersive X-ray diffraction
TLS 01C2	2019-1-342-1	吳茂昆	中央研究院物理所	0	2019/04/20 09:00	2019/04/21 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	2018-3-090-2	劉如熹	國立台灣大學化學系	0	2019/04/23 09:00	2019/04/24 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TLS 01C1	2019-1-322-1	劉沂欣	國立台灣師範大學化學系	0	2019/04/24 09:00	2019/04/25 09:00	3	5	Unraveling of Crystalline Structures in Mesoporous 2D Semiconductors via Synchrotron Radiation Characterizations
TLS 01C1	2018-3-077-2	謝明惠	國立台灣師範大學化學系	0	2019/04/25 09:00	2019/04/26 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	2019-1-363-1	吳樸偉	國立交通大學材料科學與工程系所	0	2019/04/26 09:00	2019/04/27 09:00	3	4	Investigation of formation mechanism for iridium oxide thin film and nanoparticles from wet chemical route and study of their electrochemical properties
TLS 01C1	2019-1-001-1	詹丁山	NSRRC	2	2019/04/27 09:00	2019/04/29 09:00	6	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 01C1	2019-1-366-1	劉敏	中南大學物理與電子學院	0	2019/04/29 09:00	2019/04/30 09:00	3	4	High-value chemicals via photocatalytic intermediate water splitting with brookite mesoporous single crystals
TLS 01C1	2019-1-403-1	陸現彩	南京大學地球科學與工程學院	0	2019/04/30 09:00	2019/05/01 09:00	3	8	Microgeochemical behaviors of Fe-Mn-C-P in the lake sediments and its environmental consequence
TLS 01C1	2019-1-250-1	施凱閔	香港大學土木工程系	0	2019/05/01 09:00	2019/05/02 09:00	3	4	Rational design of high performance lithium cobalt oxide cathode materials in lithium ion batteries via doping
TLS 01C1	2019-1-384-1	吳恆良	國立台灣大學凝態科學研究中心	0	2019/05/02 09:00	2019/05/03 09:00	3	2	The Effect of Cosolvent and Carbon Materials on Lithium-Sulfur Batteries and Advanced Li-ion Batteries
TLS 01C1	2018-3-150-2	王復民	國立台灣科技大學應用科技研究所	0	2019/05/03 09:00	2019/05/04 09:00	3	4	In situ/ in operando observations of Ni-rich cathode material of lithium ion battery
TLS 01C1	2019-1-246-1	黃炳照	國立台灣科技大學化工系	0	2019/05/04 09:00	2019/05/05 09:00	3	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials

01C1 PEC: 87 Shifts (43.9%) SPK: 12 Shifts (6.1%)

01C2 PEC: 84 Shifts (42.4%) SPK: 9 Shifts (4.5%) M&S: 3 Shifts (1.5%) IA: 3 Shifts (1.5%)

發言人： 01C1 \_\_\_\_\_ 01C2 \_\_\_\_\_ Approved by: \_\_\_\_\_

