

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 23A1 IASW - Small/Wide Angle X-ray Scattering

發言人： 鄭有舜

經理： 蘇群仁

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 23A1	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 23A1	2019-1-079-3	鄭有舜	NSRRC	2	2019/10/01 09:00	2019/10/02 09:00	3	6	In situ observation of annealing of polymer solar cells
TLS 23A1	2019-3-060-1	光源產業應用小組	NSRRC	6	2019/10/02 09:00	2019/10/03 09:00	3	11	Prior Test and Polymer-related Industrial Entrusted Research Projects
TLS 23A1	2019-1-002-3	何榮銘	國立清華大學化學工程學系	0	2019/10/03 09:00	2019/10/04 09:00	3	6	Twisting Effect on Self-Assembly of Chiral Triblock Terpolymers and Applications
TLS 23A1	2019-2-072-2	王建隆	國立交通大學應用化學系	0	2019/10/04 09:00	2019/10/06 09:00	6	1	Host-Guest Chemistry of Functional Molecular Nanoparticles
TLS 23A1	2019-1-079-3	鄭有舜	NSRRC	2	2019/10/07 09:00	2019/10/07 17:00	1	6	In situ observation of annealing of polymer solar cells
TLS 23A1	2018-1-043-6	呂平江	國立清華大學生物資訊與結構生物所	0	2019/10/07 17:00	2019/10/08 09:00	2	7	Structural analysis of Dopamine N-acetyltransferase, arylalkylamine N-acetyltransferase like proteins, human dual specific protein phosphatase 22 and circularly permuted knotted proteins
TLS 23A1	2018-2-058-5	蘇士哲	國立清華大學生物資訊與結構生物所	0	2019/10/08 09:00	2019/10/09 09:00	3	7	Structural study of CCL5 and its oligomerization mechanism
TLS 23A1	2019-1-068-3	陳韻如	中央研究院基因體研究中心	0	2019/10/09 09:00	2019/10/10 09:00	3	6	Investigation of length dependent structural changes of dipeptide repeats in ALS
TLS 23A1	2019-1-212-3	胡念仁	國立中興大學生化所	0	2019/10/10 09:00	2019/10/11 09:00	3	7	Structural studies of cyclic-di-AMP-targeted membrane proteins
TLS 23A1	2019-3-054-1	Tate, Shin-ichi	Hiroshima University	0	2019/10/11 09:00	2019/10/12 09:00	3	1	Exploring the change in the domain dynamics of the multi-domain protein upon binding to the target protein
TLS 23A1	2019-2-084-2	徐尚德	中央研究院生物化學所	0	2019/10/12 09:00	2019/10/14 09:00	6	7	SAXS-aided cryoEM structure determinations

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TLS 23A1	2019-3-089-1	楊小青	輔仁大學化學系	0	2019/10/15 09:00	2019/10/16 09:00	3	6	Clarification of Cu, Zn Superoxide Dismutase (SOD1) Assembly Form to Neurotoxic Species toward Familial Amyotrophic Lateral Sclerosis (fALS) Disease by Molecular Dynamics Simulation and Small-Angle X-ray Scattering
TLS 23A1	2019-1-117-3	周三和	國立中興大學生物化學所	0	2019/10/16 09:00	2019/10/17 09:00	3	7	Structural Study of several important Cyclic-Di-Nucleotides-Bound Protein Complexes
TLS 23A1	2019-1-399-3	袁小玲	中央研究院分子生物研究所	0	2019/10/17 09:00	2019/10/18 09:00	3	7	Structural insights into mitochondrial DNA maintenance by nucleases
TLS 23A1	2019-2-046-2	蕭傳鐙	中央研究院分子生物研究所	0	2019/10/18 09:00	2019/10/19 09:00	3	7	Interaction studies of C-type lectin 18 (CLEC18) and Toll-like receptor ligand using structural approaches
TLS 23A1	2018-1-073-6	鄭貽生	國立台灣大學生命科學系	0	2019/10/19 09:00	2019/10/20 09:00	3	7	Structural investigation of histone deacetylases in complex with its regulating proteins in response to abiotic stresses
TLS 23A1	2019-1-079-3	鄭有舜	NSRRC	2	2019/10/21 09:00	2019/10/21 13:00	0.5	6	In situ observation of annealing of polymer solar cells
TLS 23A1	2019-3-217-1	刁維光	國立交通大學應用化學系	0	2019/10/21 13:00	2019/10/22 09:00	2.5	2	Design of novel and stable organohalide perovskites for highly efficient perovskite-based optoelectronics application through synchrotron based structural characterization techniques
TLS 23A1	2019-3-052-1	Ma, Wei	西安交通大學	0	2019/10/22 09:00	2019/10/24 09:00	6	4	Slot-die Coating for Enhanced Charge Separation Driving Force in Large-area Organic Solar Cells
TLS 23A1	2019-1-006-3	韋光華	國立交通大學材料科學與工程系所	0	2019/10/24 09:00	2019/10/25 09:00	3	4	High-performance flexible organic/inorganic photovoltaics based on polymer donor/non-fullerene acceptor/two-dimensional nanosheets
TLS 23A1	2018-1-192-6	陳文章	國立台灣大學化工系	0	2019/10/25 09:00	2019/10/26 09:00	3	6	Novel stretchable conjugated rod-coil block copolymers toward organic transistor device applications
TLS 23A1	2019-3-077-1	孫亞賢	國立中央大學化學工程與材料工程學系	0	2019/10/26 09:00	2019/10/28 09:00	6	6	In-situ Study of Block Copolymer Nanodomains During Solvent Swelling and Drying by Grazing-incidence Small-angle X-ray Scattering
TLS 23A1	2019-3-115-1	徐善慧	國立台灣大學高分子科學與工程學研究所	0	2019/10/29 09:00	2019/10/31 09:00	6	6	Investigation on the mesoscale dynamics and thermo-sensitivity of self-healing hydrogels with the micellar structure

TLS 23A1	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 23A1	2019-2-228-2	莊偉綜	NSRRC	0	2019/10/31 09:00	2019/11/01 09:00	3	6	Fluorinated Carbazole-Based Non-Fullerene Acceptors for High Performance Bulk Heterojunction Solar Cells
TLS 23A1	2019-2-056-2	郭紹偉	國立中山大學材料與光電科學學系	0	2019/11/01 09:00	2019/11/03 09:00	6	6	Mesoporous Materials from templated by block copolymer and the preparation of covalent organic framework (COF)
TLS 23A1	2019-3-062-1	光源產業應用小組	NSRRC	6	2019/11/04 09:00	2019/11/05 09:00	3	11	Synchrotron study of semiconductor thin-film materials (VI-2)
TLS 23A1	2019-1-239-3	陳信龍	國立清華大學化學工程學系	0	2019/11/05 09:00	2019/11/06 09:00	3	6	Novel Supramolecular Structures of Dendrimer-Surfactant Complexes Explored by Synchrotron Small Angle X-ray Scattering
TLS 23A1	2019-2-032-2	Prabakar, Sujay	New Zealand Leather and Shoe Research Association (LASRA)	0	2019/11/06 09:00	2019/11/07 09:00	3	5	Collagen structural changes during cross-linking and denaturation
TLS 23A1	2019-3-114-1	Kang, Yongmook	Dongguk University, College of Engineering, Department of Energy Materials Engineering	0	2019/11/07 09:00	2019/11/08 09:00	3	4	Mediating size refinement in conversation reactions of alpha Fe2O3 anode for high electrochemical performance via doping
TLS 23A1	2019-3-167-1	趙基揚	國立台灣大學材料科學與工程學系暨研究所	0	2019/11/08 09:00	2019/11/09 09:00	3	4	Stretching induced microstructure behavior of self-assembled thiophene-based block copolymers in OTFTs
TLS 23A1	2019-1-293-3	阮至正	國立成功大學材料科學及工程學系	0	2019/11/09 09:00	2019/11/11 09:00	6	4	The alignment of 2D materials liquid crystalline phase
TLS 23A1	2019-1-173-3	詹益慈	國立台灣大學化學系	0	2019/11/12 09:00	2019/11/13 09:00	3	4	Small/Wide-Angle X-ray Scattering Analysis of Metallo-Supramolecular Rod-Coil Block Copolymers
TLS 23A1	2019-1-063-3	童世煌	國立台灣大學高分子科學與工程學研究所	0	2019/11/13 09:00	2019/11/14 09:00	3	4	On the Structures of Polythiophenes with Branched Side Chains and Fullerene Derivatives Used for Organic Photovoltaics
TLS 23A1	2018-2-248-9	董瑞安	國立清華大學生醫工程與環境科學系	0	2019/11/14 09:00	2019/11/15 09:00	3	5	Structural and Symmetrical Characterization of Highly Ordered Mesoporous Carbon-Metal Oxide Nanocomposites for Energy Storage Application
TLS 23A1	2019-2-014-2	鄭如忠	國立台灣大學高分子科學與工程學研究所	0	2019/11/15 09:00	2019/11/16 09:00	3	4	Microphase separation analysis of polyurethane elastomer in precision
TLS 23A1	2019-1-221-3	賴英煌	東海大學化學系	0	2019/11/16 09:00	2019/11/17 09:00	3	2	Pt-modified dendritic gold as a highly efficient photoelectrocatalyst for the formic acid oxidation reaction

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TLS 23A1	2018-3-157-4	王迪彥	東海大學化學系	0	2019/11/17 09:00	2019/11/18 09:00	3	4	Temperature-Dependent of Phase Transition of 2D and Double Layer Perovskite Materials Investigated by In-situ X-ray Diffraction Measurement
TLS 23A1	2019-1-079-3	鄭有舜	NSRRC	2	2019/11/18 09:00	2019/11/18 13:00	0.5	6	In situ observation of annealing of polymer solar cells
TLS 23A1	2018-2-087-5	路新慧	香港中文大學理學院物理系	0	2019/11/18 13:00	2019/11/20 13:00	6	4	In-situ Synchrotron Studies on the Film Formation of Organic and Inorganic Halide Perovskite Solar Cells
TLS 23A1	2019-3-217-1	刁維光	國立交通大學應用化學系	0	2019/11/20 13:00	2019/11/21 09:00	2.5	2	Design of novel and stable organohalide perovskites for highly efficient perovskite-based optoelectronics application through synchrotron based structural characterization techniques
TLS 23A1	2018-3-012-4	呂志鵬	國立交通大學材料科學與工程系所	0	2019/11/21 09:00	2019/11/22 09:00	3	2	Ultra-low-k dielectrics for next generation of semiconductor devices
TLS 23A1	2019-1-133-3	劉振良	國立中央大學化學工程與材料工程學系	0	2019/11/22 09:00	2019/11/23 09:00	3	4	Control of Molecular Ordering, Alignment, and Charge Transport in Solution-Processed Organic Semiconductor Thin Films
TLS 23A1	2018-2-022-9	牟中原	國立台灣大學化學系	0	2019/11/23 09:00	2019/11/25 09:00	6	2	Mesoporous Silica Thin film on Macroporous Alumina Membrane with Large Vertical Mesochannels for Nanosize-Based Separation
TLS 23A1	2019-3-014-1	林錕松	元智大學化學工程與材料科學學系	0	2019/11/26 09:00	2019/11/27 09:00	3	6	Silica/Polymer Coated Iron Oxide Magnetic Nanocarrier for Targeted Drug Delivery System
TLS 23A1	2018-3-239-4	陳立仁	國立台灣大學化工系	0	2019/11/27 09:00	2019/11/28 09:00	3	6	Kinetic effect of heating rate on lattice structure of drug loaded hydrogel formed by binary Pluronic systems
TLS 23A1	2019-1-061-3	華繼中	國立中正大學化工系	0	2019/11/28 09:00	2019/11/29 09:00	3	6	Optical scattering characterizations of multiscale structural and dynamic features of conjugated polymer, polyelectrolyte, and aluminosilicate nanotube in solution, gel, and thin film
TLS 23A1	2018-2-199-5	朱哲毅	國立中興大學化工系	0	2019/11/29 09:00	2019/11/30 09:00	3	6	Investigation of the microphase separation and crystallization behavior in diblock copolymer/homopolymers ternary blends by synchrotron X-ray scattering
TLS 23A1	2018-1-052-6	羅介聰	國立成功大學化工所	0	2019/11/30 09:00	2019/12/01 09:00	3	6	Studies of the phase and crystallization behaviors of polymer mixtures composed of block copolymer and graft copolymer

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TLS 23A1	2019-1-409-3	莊偉綜	NSRRC	2	2019/12/02 09:00	2019/12/04 09:00	6	5	Organometal Halide Perovskite and Cross-Linkable Fullerene Blended High-Performance Bulk Heterojunction Solar Cells (II)
TLS 23A1	2019-1-194-3	陳儀帆	國立中央大學化學工程與材料工程學系	0	2019/12/04 09:00	2019/12/05 09:00	3	6	Thermodynamic investigations on the correlations of the chemical structures and self-assembling behaviors of gemini surfactants
TLS 23A1	2019-1-381-3	許益瑞	國立台北科技大學分子科學與工程學系	0	2019/12/05 09:00	2019/12/06 09:00	3	5	In-situ study on the synthesis of photo luminescence compound by metal catalysts
TLS 23A1	2019-1-062-3	戴桓青	國立台灣大學化學系	0	2019/12/06 09:00	2019/12/07 09:00	3	5	Wood structure analysis of antique Italian violins.
TLS 23A1	2019-1-239-3	陳信龍	國立清華大學化學工程學系	0	2019/12/07 09:00	2019/12/09 09:00	6	6	Novel Supramolecular Structures of Dendrimer-Surfactant Complexes Explored by Synchrotron Small Angle X-ray Scattering
TLS 23A1	2019-1-036-3	李明道	NSRRC	2	2019/12/10 09:00	2019/12/11 09:00	3	6	Structure study on bio-membranes by synchrotron X-ray scattering/diffraction techniques IV
TLS 23A1	2019-1-079-3	鄭有舜	NSRRC	2	2019/12/11 09:00	2019/12/11 17:00	1	6	In situ observation of annealing of polymer solar cells
TLS 23A1	2019-3-217-1	刁維光	國立交通大學應用化學系	0	2019/12/11 17:00	2019/12/12 09:00	2	2	Design of novel and stable organohalide perovskites for highly efficient perovskite-based optoelectronics application through synchrotron based structural characterization techniques
TLS 23A1	2019-1-080-3	鄭有舜	NSRRC	2	2019/12/12 09:00	2019/12/13 09:00	3	6	Scanning HPLC/SAXS/RI/MALS for protein-detergent complex unfolding
TLS 23A1	2019-1-203-3	陳蓉瑤	國立中正大學化工系	0	2019/12/13 09:00	2019/12/15 09:00	6	6	Electrospinning-Induced Stretchable Conjugated Polymer Nanofiber for the Photomemory Patch
TLS 23A1	2018-1-192-6	陳文章	國立台灣大學化工系	0	2019/12/16 09:00	2019/12/17 09:00	3	6	Novel stretchable conjugated rod-coil block copolymers toward organic transistor device applications
TLS 23A1	2019-1-006-3	韋光華	國立交通大學材料科學與工程系所	0	2019/12/17 09:00	2019/12/18 09:00	3	4	High-performance flexible organic/inorganic photovoltaics based on polymer donor/non-fullerene acceptor/two-dimensional nanosheets
TLS 23A1	2019-3-090-1	陶雨台	中央研究院化學所	0	2019/12/18 09:00	2019/12/19 09:00	3	2	The study of structural order of polydiacetylene compounds for applications in OFET, memory, solar cell

TLS 23A1	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 23A1	2019-2-127-2	鄭彥如	國立交通大學應用化學系	0	2019/12/19 09:00	2019/12/20 09:00	3	2	Investigation on Molecular Orientation and Packing of N-type Nonfullerene Acceptors for High-Performance Organic Solar Cells
TLS 23A1	2019-1-322-3	劉沂欣	國立台灣師範大學化學系	0	2019/12/20 09:00	2019/12/21 09:00	3	5	Unraveling of Crystalline Structures in Mesoporous 2D Semiconductors via Synchrotron Radiation Characterizations
TLS 23A1	2019-3-141-1	林唯芳	國立台灣大學材料科學與工程學系暨研究所	0	2019/12/21 09:00	2019/12/23 09:00	6	6	Morphology study for novel conducting polymer/nanoparticle hybrid materials used in solar cell(5)
TLS 23A1	2019-3-060-1	光源產業應用小組	NSRRC	6	2019/12/24 09:00	2019/12/25 09:00	3	11	Prior Test and Polymer-related Industrial Entrusted Research Projects
TLS 23A1	2019-2-110-2	戴子安	國立台灣大學化工系	0	2019/12/25 09:00	2019/12/26 09:00	3	6	Multiscale Structure Study of Functional Polymers/Inorganic Particles and Rubber/Inorganic Particles Hybrid Nanocomposite
TLS 23A1	2019-3-070-1	薛涵宇	國立中興大學材料系	0	2019/12/26 09:00	2019/12/27 09:00	3	6	Star-Forming Block Copolymer in A 3D Confinement
TLS 23A1	2019-1-002-3	何榮銘	國立清華大學化學工程學系	0	2019/12/27 09:00	2019/12/28 09:00	3	6	Twisting Effect on Self-Assembly of Chiral Triblock Terpolymers and Applications
TLS 23A1	2019-1-174-3	蔣西旺	國立中山大學材料與光電科學學系	0	2019/12/28 09:00	2019/12/30 09:00	6	6	Novel Nanoporous Crystalline Templates from Double-Crystalline Block Copolymers

23A1 PEC: 210 Shifts (88.6%)

SPK: 18 Shifts (7.6%)

IA: 9 Shifts (3.8%)