

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

期別：2019-3

期間：2019/09/01 ~ 12/31

總時段數: 168 shifts

光束線： TPS 44A1 Quick-scanning X-ray Absorption Spectroscopy

發言人： 包志文

經理： 陳政龍

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

TPS 44A1	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
TPS 44A1	2018-3-281-4	包志文	NSRRC	10	2019/10/22 09:00	2019/10/29 09:00	21	12	TPS 44A commissioning
TPS 44A1	2019-1-118-3	Hu, Zhiwei	Max-Planck-Gesellschaft, Max Planck Institute for Chemical Physics of Solids (MPI, CPfS)	0	2019/10/29 09:00	2019/11/02 09:00	12	3	The combined soft and hard XAS study on materials with unusual properties
TPS 44A1	2019-1-396-3	陳翰儀	國立清華大學材料科學工程學系	0	2019/11/05 09:00	2019/11/07 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
TPS 44A1	2019-2-158-2	陳登豪	淡江大學化學系	0	2019/11/07 09:00	2019/11/08 09:00	3	5	Studying the Electrochemistry of Quinone-Based Matel-Organic Framework for Energy Storage
TPS 44A1	2019-2-214-2	柯碧蓮	國立成功大學化工所	0	2019/11/08 09:00	2019/11/09 09:00	3	4	Coordination polymer for energy storage
TPS 44A1	2019-3-079-1	Rinklebe, Joerg	Bergische Universität Wuppertal (BUW, University of Wuppertal), School of Architecture and Civil Engineering	0	2019/11/09 09:00	2019/11/10 09:00	3	8	Impact of raw and iron-modified biochars on the redox-induced mobilization, speciation, and ecotoxicology of As in paddy soil
TPS 44A1	2019-2-059-2	Hashimoto, Yohei	Tokyo University of Agriculture and Technology (TUAT), Faculty of Agriculture	0	2019/11/10 09:00	2019/11/11 09:00	3	8	Solubility and speciation of vanadium in soils
TPS 44A1	2019-2-031-2	王迪彥	東海大學化學系	0	2019/11/11 09:00	2019/11/12 09:00	3	4	In-situ Studies of Kinetic Reaction of Inorganic Perovskite Nanocrystals during Anion Exchanging Reaction
TPS 44A1	2019-1-152-3	王復民	國立台灣科技大學應用科技研究所	0	2019/11/12 09:00	2019/11/13 09:00	3	4	In situ/ in operando observations of Ni-rich cathode material in lithium ion battery
TPS 44A1	2019-1-246-3	黃炳照	國立台灣科技大學化工系	0	2019/11/13 09:00	2019/11/15 09:00	6	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials

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TPS 44A1	2019-3-062-1	光源產業應用小組	NSRRC	6	2019/11/15 09:00	2019/11/16 09:00	3	11	Synchrotron study of semiconductor thin-film materials (VI-2)
TPS 44A1	2019-3-045-1	魯才德	國立清華大學生物醫學工程學系	0	2019/11/19 09:00	2019/11/20 09:00	3	5	Structural Characterization of Metal@Carbon Porous Material featuring Potential Catalytic Reactivity
TPS 44A1	2018-3-222-4	陳浩銘	國立台灣大學化學系	0	2019/11/20 09:00	2019/11/21 09:00	3	2	in-situ monitor the electrochemical behaviors toward CO2 reduction in liquid electrolyte
TPS 44A1	2019-1-390-3	陳貴賢	中央研究院原分所	0	2019/11/21 09:00	2019/11/23 09:00	6	4	Understanding Highly Efficient Materials for Conversion and Conservation Green Energy Technologies
TPS 44A1	2019-1-195-3	董崇禮	淡江大學物理系	0	2019/11/23 09:00	2019/11/25 09:00	6	4	Interfacial nanostructured engineered photoelectrodes for efficient energy conversion studied with operando x-ray spectroscopy
TPS 44A1	2019-2-004-2	Sham, Tsun-Kong	University of Western Ontario, Department of Chemistry	0	2019/11/25 09:00	2019/11/27 09:00	6	4	XAS study on the Pd@Pt(nl) Core-Shell Catalyst and tracking the correlation between the electronic structure and the catalytic activity of the catalysts in oxygen reduction reaction
TPS 44A1	2019-2-064-2	王丞浩	國立台灣科技大學材料科學與工程學系(所)	0	2019/11/27 09:00	2019/11/28 09:00	3	1	NCKU-National Cheng Kung Headquarters of University Advancement - Hierarchical Green-Energy Materials Research Center-3
TPS 44A1	2019-3-155-1	鍾博文	中央研究院化學所	0	2019/11/28 09:00	2019/11/30 09:00	6	5	Understanding Rational Design of Surface Modification on Solid Catalysts for Valorization of Lignocellulosic Biomass Waste
TPS 44A1	2019-1-288-3	俞聖法	中央研究院化學所	0	2019/12/03 09:00	2019/12/05 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
TPS 44A1	2018-3-090-4	劉如熹	國立台灣大學化學系	0	2019/12/05 09:00	2019/12/07 09:00	6	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation
TPS 44A1	2018-3-112-4	王尚禮	國立台灣大學農化系(所)	0	2019/12/07 09:00	2019/12/08 09:00	3	8	Redox-induced speciation, availability and mobilization dynamics of phosphorus in rice paddy soils
TPS 44A1	2019-1-238-3	葉國楨	中央研究院農業生物科技研究中心	0	2019/12/08 09:00	2019/12/09 09:00	3	8	Use of synchrotron-based techniques to elucidate Indium uptake and metabolism in Arabidopsis thaliana

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TPS 44A1	2019-2-172-2	龍冉	中國科學技術大學國家同步輻射實驗室 (NSRL)	0	2019/12/09 09:00	2019/12/10 09:00	3	5	In-situ X-ray Spectroscopic Studies on Palladium based Nanocrystal Surface Atomic Modification and Their Performance in Catalytic Applications
TPS 44A1	2019-1-384-3	吳恆良	國立台灣大學凝態科學研究中心	0	2019/12/10 09:00	2019/12/11 09:00	3	2	The Effect of Cosolvent and Carbon Materials on Lithium-Sulfur Batteries and Advanced Li-ion Batteries
TPS 44A1	2019-1-103-3	郭俊宏	中央研究院化學所	0	2019/12/11 09:00	2019/12/12 09:00	3	4	Hybrid Molecule Complex Carbon Nitride Photocatalytic Systems toward CO2 Photoreduction
TPS 44A1	2019-3-188-1	Cossy, Janine	Paris Institute of Technology (ParisTech)École supérieure de physique et de chimie industrielles de la Ville de Paris (ESPCI ParisTech)	0	2019/12/12 09:00	2019/12/14 09:00	6	5	Ti-catTi-catalysed hydrosilylation: Investigation of the active species and of the mechanism by EXAFS
TPS 44A1	2019-2-140-2	雷愛文	武漢大學化學與分子科學學院	0	2019/12/17 09:00	2019/12/19 09:00	6	5	In-situ XAFS Studies of Sonogashira Coupling Reaction Mechanism
TPS 44A1	2019-1-091-3	楊家銘	國立清華大學化學系	0	2019/12/19 09:00	2019/12/20 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
TPS 44A1	2018-3-222-4	陳浩銘	國立台灣大學化學系	0	2019/12/20 09:00	2019/12/21 09:00	3	2	in-situ monitor the electrochemical behaviors toward CO2 reduction in liquid electrolyte
TPS 44A1	2019-2-144-2	陳宜鴻	武漢大學化學與分子科學學院	0	2019/12/21 09:00	2019/12/23 09:00	6	5	In-Situ Homogeneous XAFS Studies of Oxidatively Induced Reductive Elimination in Ir, Rh, and Ru complexes
TPS 44A1	2019-1-195-3	董崇禮	淡江大學物理系	0	2019/12/23 09:00	2019/12/25 09:00	6	4	Interfacial nanostructured engineered photoelectrodes for efficient energy conversion studied with operando x-ray spectroscopy
TPS 44A1	2019-3-125-1	孫旭輝	蘇州大學功能納米與軟物質研究院	0	2019/12/25 09:00	2019/12/26 09:00	3	4	Investigation the role of H2O for the oxidation of CO at Au/Al2O3 and Au/Fe2O3 interface
TPS 44A1	2019-1-264-9	劉儷佳	蘇州大學功能納米與軟物質研究院	0	2019/12/26 09:00	2019/12/27 09:00	3	5	In situ XAFS studies on the formation mechanism of luminescent Au nanoclusters
TPS 44A1	2019-3-055-1	姚濤	中國科學技術大學國家同步輻射實驗室 (NSRL)	0	2019/12/27 09:00	2019/12/29 09:00	6	4	In Operando XAFS study on the electrochemical CO2 reduction mechanism in Cu-based catalyst