

# IPAC'25 Scientific Program

Time	Sunday 1 June	Monday 2 June	Tuesday 3 June		Wednesday 4 June		Thursday 5 June		Friday 6 June	
		<b>Pleanry Hall ,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>
9:00		<b>Welcome Address</b>  The Operational Challenges: Achieving 500 mA High Beam Current at Taiwan Photon Source Ping-Jung Chou, NSRRC  High Beam Power Operations at Heavy Ion Facilities: Technical Developments, Challenges and Resolutions Osamu Kamigaito, RIKEN Nishina Center	<b>TUXD1</b> Personnel and machine protection for high power accelerator commissioning, operations, and power ramp up Masanori Ikegami , FRIB	<b>TUXN1</b> Elevating Beam Quality and Stability in Linear Accelerators through High Order Mode Analysis Sanae Samsam , INFN	<b>WEXD1</b> Experimental demonstration of particle acceleration with normal conducting accelerating structure at cryogenic temperature Mamdouh Nasr, SLAC	<b>WEXN1</b> Upgrade of KEK electron/positron injector Linac by using pulse magnets and machine learning Takuya Natsui , KEK	<b>THXD1</b> Guiding of charged particle beams in curved plasma-discharge capillaries Riccardo Pompili, INFN	<b>THXN1</b> Review of beam based correction and optimisation for accelerators Xiaobiao Huang, SLAC	<b>FRXD1</b> Review of impedance effects for accelerators Takeshi Toyama, KEK	<b>FRXN1</b> Deceleration of Ion Beams - Related Challenges and Opportunities Frank Herfurth, GSI
9:10			<b>TUAD1</b> Contributed talk	<b>TUAN1</b> Contributed talk	<b>WEAD1</b> Contributed talk	<b>WEAN1</b> Contributed talk	<b>THAD1</b> Contributed talk	<b>THAN1</b> Contributed talk	<b>FRXD2</b> Review of Linear and Nonlinear Optics Measurements in the CERN LHC Ewen Hamish Madean, CERN	<b>FRXN2</b> Enhanced proton and neutron production using the ultra-short (24 fs) and high-power (2 PW) Apollon laser facility Julien Fuchs, CNRS
9:20			<b>TUAD2</b> Contributed talk	<b>TUAN2</b> Contributed talk	<b>WEAD2</b> Contributed talk	<b>WEAN2</b> Contributed talk	<b>THAD2</b> Contributed talk	<b>THAN2</b> Contributed talk		
9:30			<b>TUAD3</b> Contributed talk	<b>TUAN3</b> Contributed talk	<b>WEAD3</b> Contributed talk	<b>WEAN3</b> Contributed talk	<b>THAD3</b> Contributed talk	<b>THAN3</b> Contributed talk	<b>FRXD3</b> EIC accelerator status Sergei Nagaitsev, BNL	<b>FRXN3</b> Neutron target for high-intensity operation at J-PARC MLF Katsuhiko Haga, JAEA
9:40			<b>Coffee break (30 mins) @TWTC</b>		<b>Coffee break (30 mins) @TWTC</b>		<b>Coffee break (30 mins) @TWTC</b>		<b>Coffee break (30 mins) @TWTC</b>	
9:50			<b>Coffee break (30 mins) @TWTC</b>		<b>Coffee break (30 mins) @TWTC</b>		<b>Coffee break (30 mins) @TWTC</b>		<b>Coffee break (30 mins) @TWTC</b>	
10:00		<b>Hall 101 ,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	
10:10		<b>MOYA1</b> Review of nonlinear resonances in accelerators and storage rings; including a discussion of chaos, particle diffusion and dynamic aperture Shyh-Yuan Lee , Indiana University	<b>TUYD1</b> Record beam intensity productions of Highly charged heavy ions by 28-45 GHz superconducting CSR ion sources at IMP Liangting Sun, IMP	<b>TUYN1</b> Design Initiatives for a 10 TeV pCM Wakefield Collider Spencer Gessner, SLAC	<b>WEYD1</b> Assessing and Increasing the sustainability of future accelerator based facilities Ben Shepherd, STFC	<b>WEYN1</b> Ultrafast visualization of an electric field under the Lorentz transformation Koichi Kan, QST	<b>THYD1</b> Reinforcement Learning in Particle Accelerators Andrea Santamaria Garcia, University of Liverpool / Cockcroft	<b>THYN1</b> Beam commissioning of K=500 Superconducting Cyclotron at VECC Jayanta Debnath, DAE	Future circular Higgs factories: Status and prospective Yuhui Li , IHEP	
11:00		<b>MOYA2</b> Liquid lithium charge stripping technology: achievement and lessons learned Takuji Kanemura, FRIB, Michigan State University	<b>TUBD1</b> Contributed talk	<b>TUBN1</b> Contributed talk	<b>WEBD1</b> Contributed talk	<b>WEBN1</b> Contributed talk	<b>THBD1</b> Contributed talk	<b>THBN1</b> Contributed talk	Future circular Higgs factories: Status and prospective Yuhui Li , IHEP	
11:10		<b>MOYA3</b> RF Acceleration with Short Pulses: Breaking the High-Gradient Barrier Xueying Lu, ANL	<b>TUBD2</b> Contributed talk	<b>TUBN2</b> Contributed talk	<b>WEBD2</b> Contributed talk	<b>WEBN2</b> Contributed talk	<b>THBD2</b> Contributed talk	<b>THBN2</b> Contributed talk	Latest Achievements in Femtosecond Synchronization of Large Scale Facilities Sebastian Schultz, DESY	
11:20		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
11:30		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
11:40		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
11:50		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
12:00		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
12:10		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
12:20		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
12:30		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>	
12:30		<b>Lunch break (90 mins) @ TWTC</b>	<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Lunch break (90 mins) @ TWTC</b>		<b>Closing Remarks (12:30 - 13:00)</b>	
14:00		<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101 ,TICC</b>	<b>Hall 201,TICC</b>	<b>Hall 101, TICC</b>		
14:10	Student Poster Session (TWTC)	<b>MOZD1</b> ILC accelerator status Hiroshi Sakai, KEK	<b>MOZN1</b> Overview of permanent magnet implementations for advanced light sources Ciro Calzolaio, PSI	<b>TUZD1</b> Toward realization of few-cycle free electron lasers: basic concept and its experimental demonstration Takashi Tanaka, RIKEN Spring-8	<b>TUZN1</b> Carbon ion therapy facility at Taipei Veterans General Hospital Keng-Li Lan, TVGH	<b>WEZD1</b> Cascaded hard X-ray self-seeded free-electron laser at megahertz repetition rate Shan Liu, DESY	<b>Award Session</b>	<b>Why Did My Ancestors Leave Taiwan?</b>  Facility Tour ( 13:30 - )  Taiwan Photon Source , National Synchrotron Radiation Research Center or Heavy Ion Therapy Center , Taipei Veterans General Hospital		
14:20		<b>MOZD2</b> Status of the Baseline Design for a 10 TeV Muon Collider Daniel Schulte, CERN	<b>MOZN2</b> Development for Various Applications at Compact ERL as a high-power CW SRF linac in KEK Masahiro Yamamoto, KEK	<b>TUZD2</b> SPS-II Project: Status update Porntip Sudmuang, SLRI	<b>TUZN2</b> Compact hadron sources and linacs for societal applications Alessandra Lombardi, CERN	<b>WEZD2</b> LCLS-II commissioning and operation with high-repetition-rate CW FELs Yuantao Ding , SLAC				
14:30		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD1</b> Contributed talk	<b>TUCN1</b> Contributed talk	<b>WECD1</b> Contributed talk				
14:40		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD2</b> Contributed talk	<b>TUCN2</b> Contributed talk	<b>WECD2</b> Contributed talk				
14:50		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD3</b> Contributed talk	<b>TUCN3</b> Contributed talk	<b>WECD3</b> Contributed talk				
15:00		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD3</b> Contributed talk	<b>TUCN3</b> Contributed talk	<b>WECD3</b> Contributed talk				
15:10		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD3</b> Contributed talk	<b>TUCN3</b> Contributed talk	<b>WECD3</b> Contributed talk				
15:20		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD3</b> Contributed talk	<b>TUCN3</b> Contributed talk	<b>WECD3</b> Contributed talk				
15:30		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD3</b> Contributed talk	<b>TUCN3</b> Contributed talk	<b>WECD3</b> Contributed talk				
15:40		<b>MOZD3</b> Contributed talk	<b>MOZN3</b> Contributed talk	<b>TUCD3</b> Contributed talk	<b>TUCN3</b> Contributed talk	<b>WECD3</b> Contributed talk				
16:00		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
16:10		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
16:20		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
16:30		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
16:40		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
16:50		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
17:00		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
17:10		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
17:20		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
17:30		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
17:40		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
17:50		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		
18:00		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		<b>Poster Session / Coffee (TWTC)</b>		