IPAC'22 Synoptic Table

Time	Sunday	Monday		Tuesday		Wednesday		Thursday		Friday	
		Chair: Prapong Klysubun (SLRI)		**Chair: Yongbin Leng (SSRF/SINAP)**	**Chair: Thapakron Pulampong (SLRI)**	**Chair: Yuhui Li / Xinchou Lou (IHEP)**	**Chair: Ralph Assmann (DESY)**	**Chair: Tadashi Koseki (KEK)**	**Chair: Takahiro Watanabe (JASRI/SPring-8)**	**Chair: Yongbin Leng (SSRF/SINAP)**	**Chair: Mei Bai (SLAC)**
9:00 - 9:10		**Welcome Message**		**Adi Hanuka (SLAC)** Accurate and Confident Prediction of Electron Beam Longitudinal Properties Using Spectral Virtual Diagnostics	**Sol Omolayo(LBNL)** Recent Achievements in the NEG Technology in Application to Coating Vacuum Chambers of Constrained Geometries	**Derong Xu (BNL)** EIC Beam Dynamics Challenges	**Karl Zeil (HZDR)** Efficient Laser Proton Acceleration Up to 80 MeV From Density Tailored Near Critical Density Targets	**Hongwei Zhao (IMP)** High Intensity Beam Accelerator Facilities HIAF and CIADS: Status and Demonstrations of Key Technologies	**Nobuyuki Nishimori (QST)** A New Compact 3 GeV Light Source in Japan	**Wolfgang Höfle (CERN)** Status and Prospects in Fast Beam-Based Feedbacks	**Takao Asaka (JASRI)** Low-Emittance Compact RF Electron Gun With a Gridded Thermionic Cathode
9:10 - 9:20		**Yoshihiro Funakoshi (KEK)** The SuperKEKB Has Broken the World Record of the Luminosity									
9:20 - 9:30											
9:30 - 9:40				**Gaku Mitsuka (KEK)** Design and Construction of Optical System of the Coronagraph for Beam Halo Observation in the SuperKEKB	**Valentine Petit (CERN)** Origin and Mitigation of the Beam-induced Surface Modifications of the LHC Beam Screens	**Mauro Migliorati (Sapienza Univ. of Rome)** Studies and Mitigation of Collective Effects in FCC-ee	**Kouichi Jimbo (QST)** Proposal for a Compact Neutron Generator Based on a Negative Deuterium Ion Beam	**Laurette Ponce (CERN)** ELENA From Commissioning to Operation	**Zhilong Pan (TUB)** Low-Alpha Storage Ring Design for Steady-State Microbunching to Generate EUV Radiation	**Tatiana Nechaeva (MPI-P)** A Method for Obtaining 3D Charge Density Distribution of a Self-Modulated Proton Bunch	**Chihiro Ohmori (J-PARC, KEK & JAEA)** 20-Year Collaboration on Synchrotron RF Between CERN and J-PARC
9:40 - 9:50		**Enrica Chiadroni (INFN/LNF)** Progress Towards Demonstration of a Plasma Based FEL									
9:50 - 10:00				**Salvatore Danzeca (CERN)** Wireless IoT in Particle Accelerators: A Practical Approach With the IoT Radiation Monitor at CERN	**Katrina Howard (Univ. of Chicago)** Analysis of Low RRR SRF Cavities	**Evgeny Syresin (JINR)** NICA Ion Collider and Plans of Its First Operations	**Sophie Crisp (UCLA)** Progress in Multi-Mev Energy Gain in a Relativistic Dielectric Laser Accelerator	**Nilanjan Banerjee (Enrico Fermi Institute)** Electron Cooling Experiment for Proton Beams With Intense Space-Charge in IOTA	**Illya Drebot (INFN)** Brixsino High-Flux Dual X-Ray and THz Radiation Source Based on Energy Recovery Linacs	**Shukui Zhang (JLab)** Development of a Quantum Electron Beam Diagnostic Apparatus	**Jiahang Shao (ANL)** Demonstration of Gradient Above 300 MV/m in Short Pulse Regime Using an X-Band Single-Cell Structure
10:00 - 10:10											
10:10 - 10:20		**David Tarazona (Cornell Univ.)** The Accelerator and Beam Physics of the g-2 Experiment		**Alexander Scheinker (LANL)** 6D Phase Space Diagnostics Based on Adaptively Tuned Physics-Informed Generative Convolutional Neural Networks	**Toms Torims (Riga Technical Univ.)** Evaluation of Geometrical Precision and Surface Roughness Quality for the Additively Manufactured Radio Frequency Quadrupole Prototype	**Huiping Geng (IHEP)** An Alternative Design for BEPCII Upgrade	**Annika Gabriel (SLAC)** mm-Wave Structure Development for High Gradient Acceleration	**Hyung Jin Kim (IBS)** Commissioning Status of the Injector of RAON Superconducting Accelerator	**Georgia Paraskaki (DESY)** Path to High Repetition Rate Seeding: Combination of High Gain Harmonic Generation With an Optical Klystron	**Hitomi Ikeda (KEK)** Injection Beam Measurement Using Synchrotron Radiation Monitor at the SuperKEKB Electron Ring	**Nuria Catalan-Lasheras (CERN)** First Operation of a Klystron Fitted With a Superconducting MgB2 Solenoid
10:20 - 10:30											
10:30 - 10:40				**Coffee break (30 mins, 10:30 - 11:00)**		**Coffee break (30 mins, 10:30 - 11:00)**		**Coffee break (30 mins, 10:30 - 11:00)**		**Coffee break (30 mins, 10:30 - 11:00)**	
		Coffee break (30 mins, 10:40 - 11:10)		**Chair: Tadashi Koseki (KEK)**	**Chair: Takahiro Watanabe (JASRI/SPring-8)**	**Chair: Marie-Helene Moscatello (CEA)**	**Chair: Timur Shaftan (BNL)**	**Chair: Timothy Maxwell (SLAC)**	**Chair: Thapakron Pulampong (SLRI)**	**Chair: Hitoshi Tanaka (RIKEN)**	
11:00 - 11:10		**Chair: Hy Yong Suk (GIST)**	**Chair: Rohan Dowd (AS - ANSTO)**	**Andreas Jansson (ESS ERIC)** The Status of the European Spallation Source	**Thomas Tschentscher (EuXFEL)** Science Highlights From Hard X-ray FELs	**Verena Kain (CERN)** Achievements and Performance Prospects of the Upgraded LHC Injectors	**Erik Jan Wallén(LBNL)** New Designs of Short-Period Undulators for Producing High-Brightness Radiation in Synchrotron Light Sources	**Yingbing Yan (SSRF)** White Rabbit Based Beam-Synchronous Timing System for SHINE	**Sushil Sharma (BNL)** Development of Advanced Magnets for Modern and Future Synchrotron Light Sources	**Mike Seidel (PSI)** Status and Limits in Power Efficiency of Particle Accelerators	
11:10 - 11:20		**Robert Joel England (SLAC)** Progress in Developing an Accelerator on a Chip	**Auralee Edelen (SLAC)** Machine Learning as a Tool for Online, Surrogate Modelling of Beam Dynamics								
11:20 - 11:30											
11:30 - 11:40				**Hiroshi Imao (RIKEN Nishina Center)** Present Status and Future Plan With Charge Stripper Ring at RIKEN RIBF	**Haixiao Deng (SINAP)** Self-Amplification of Coherent Energy Modulation in Seeded Free-Electron Lasers	**Pranab Kumar Saha (J-PARC/JAEA)** Recent Results of Beam Loss Mitigation and Extremely Low Beam Loss Operation of J-PARC RCS	**Ihar Lobach (ANL)** Experiments With Undulator Radiation, Emitted by a Single Electron	**Kacper Lasocha (Jagiellonian Univ.)** Experimental Verification of Several Theoretical Models for CHDR Description	**Alexander Bainbridge (STFC/DL/ASTeC)** Construction and Measurement of a Tuneable Permanent Magnet Quadrupole for Diamond Light Source	**Manjit Dosanjh (CERN/Oxford Univ.)** Accelerating the Future: Designing a Robust and Affordable Radiation Therapy Treatment System for Challenging Environments	
11:40 - 11:50		**Chen Lin (PKU)** Recent Progress of Compact LAser Plasma Accelerator at Peking University	**Riccardo Bartolini (DESY)** Touschek and Intrabeam Scattering Effects in Extremely Low Emittance Storage Rings			**Vladimir N. Litvinenko (Stony Brook Univ.)** Results of the Coherent Electron Cooling Experiment at RHIC	**Christelle Bruni (Univ. Paris-Saclay)** First Electron Beam of ThomX Project	**Raffael Niemczyk (DESY)** Experimental Slice Emittance Reduction at PITZ Using Laser Pulse Shaping	**Tatsunobu Shibata (KEK)** The New Eddy Current Type Septum Magnet for Upgrading of Fast Extraction in Main Ring of J-PARC		
11:50 - 12:00				**Jie Wei (FRIB)** FRIB Commissioning Status	**Gabriel Marcus (SLAC)** Research and Development Towards Cavity-Based X-ray Free-Electron Lasers					**Tomoki Nakamura (Tohoku Univ.)** Synchrotron Light Illuminates the Origin of the Solar System and Life	
12:00 - 12:10											
12:10 - 12:20		**Greogor Loisch (DESY)** Experiments Towards High-Repetition Rate Plasma Wakefield Acceleration at FLASHForward	**Frank Zimmermann (CERN)** Impact of Longitudinal Gradient Dipoles on Storage Ring Performance			**Sergey Litvinov (GSI)** Isochronous Mode of the Experimental Storage Ring (ESR) at GSI	**Nashat Khaled Sawai (SESAME)** Operation Experience with SESAME RF System	**Woojin Song (POSTECH)** Online Measurement of Bunch Lengths and Fill-pattern in the PLS-II Storage Ring using a Fast Photodiode	**Ibrahim Kesgin (ANL)** Progress on the Nb3Sn Superconducting Undulator Development at the Advanced Photon Source		
12:20 - 12:30											
12:30 - 12:40		**Edda Gschwendtner (CERN)** The AWAKE Experiment in 2021: Performance and Preliminary Results on Electron-Seeding of Self-Modulation	**Murilo Barbosa Alves (LNLS)** Measurements of Collective Effects Related to Beam Coupling Impedance at Sirius	**Lunch break (90 mins, 12:30 - 14:00)**		**Lunch break (90 mins, 12:30 - 14:00)**		**Lunch break (90 mins, 12:30 - 14:00)**		**Closing Remarks (12:30 - 13:00)**	
12:40 - 12:50											
		Lunch break (70 mins, 12:50 - 14:00)									
				Chair: Peter McIntosh (STFC)	**Chair: Rogelio Tomas (CERN)**	**Chair: Ralph Assmann (DESY)**	**Chair: Ryan Lindberg (ANL)**				
14:00 - 14:10				**Georg Hoffstaetter (Cornell Univ.)** An ERL-Driven Intense Compton Source Above 100 keV and Other ERL Applications	**Xinchou Lou (IHEP)** Status of the Circular e+e- Collider Projects in Asia and Europe: CEPC and FCC-ee	**Xueyan Shi (IHEP)** Design of an LPA-Based First-Stage Injector for a Synchrotron Light Source	**Toshihiko Hiraiwa (RIKEN SPring-8 Center)** Interpretation of Particle Motion in a Circular Accelerator as Diffraction of Light				
14:10 - 14:20						**Claudio Emma (SLAC)** Status and Prospects for the Plasma-Driven Attosecond X-Ray (PAX) Experiment at FACET-II					
14:20 - 14:30								**Award Session**			
14:30 - 14:40				**Yoshie Otake (RIKEN)** RIKEN Accelerator-Driven Compact Neutron Systems, RANS Project and Their Capabilities	**Daniel Schulte (CERN)** Muon Colliders: Where Are We?		**Giuliano Franchetti (GSI)** Trapping of Neutral Molecules by the Electromagnetic Beam Field				
14:40 - 14:50											
14:50 - 15:00		**Registration for Opening Ceremony (08:00 - 16:00)**	**Poster Session / Coffee (14:00 - 16:00)**								
15:00 - 15:10				**Ryan Bodenstein (JLab)** Need for Portable Accelerators in Cultural Heritage	**Jacqueline Keintzel (CERN)** Prospects for Optics Measurements in FCC-ee		**Seong-Yeol Kim (ANL)** Longitudinal Bunch Shaping Using an X-Band Transverse Deflecting Cavity Powered by Wakefield Power Extractor at Argonne Wakefield Accelerator Facility				
15:10 - 15:20								**Entertainment Session**			
15:20 - 15:30				**Somjai Chunjarean (SLRI)** Medical Linear Accelerator Developement Project at Siam Photon Source	**Mika Masuzawa (KEK)** Chromatic X-Y Coupling Correction by Tilting Sextupole Magnets in the SuperKEKB Positron Ring		**Natalia Triantafyllou (The Univ. of Liverpool)** Investigating the Suppression of the Crab Cavity Noise Induced Emittance Growth From the Transverse Beam Impedance				
15:30 - 15:40						**Industry Session (14:40 - 16:40)**					
15:40 - 15:50				**Emma Snively (SLAC)** Rapid RF-Driven 3D Pencil Beam Scanning for Proton Therapy	**Bettina Christa Kuske (HZB)** The European ERL Roadmap		**Yoshihiro Shobuda (JAEA/J-PARC)** Measurements of the Radiation Fields From a Ceramic Break				
15:50 - 16:00											
16:00 - 16:10							**Michele Carià (ALBA-CELLS Synchrotron)** Full Coupling Studies for ALBA-II				
16:10 - 16:20											
16:20 - 16:30											
16:30 - 16:40											
16:40 - 16:50											
16:50 - 17:00				**Poster Session / Coffee (16:00 - 18:00)**				**Poster Session / Coffee (16:00 - 18:00)**			
17:00 - 17:10											
17:10 - 17:20											
17:20 - 17:30											
17:30 - 17:40		**Opening Ceremony** Presided over by H.R.H. Princess Maha Chakri Sirindhorn				**Poster Session / Coffee (16:20 - 18:20)**					
17:40 - 17:50											
17:50 - 18:00		**Chris Polly (Fermilab)** Growing Expectations for New Physics									
18:00 - 18:10											
18:10 - 18:15											
18:15 - 18:20		**Prapaiwan Sunwong (SLRI)** SPS-II: A 4th Generation Synchrotron Light Source in Southeast Asia									
18:20 - 18:30											
18:30 - 18:40											
18:40 - 18:50											
18:50 - 19:00				**Chair's Reception**				**Conference Banquet**			
19:00 - 19:30											
19:30 - 20:00											
20:00 - 20:30											
20:30 - 21:00											
21:00 - 21:30											
21:30 - 22:00											

Student Poster Session

Welcome Reception

MC1 Circular and Linear Colliders
MC2 Photon Sources and Electron Accelerators
MC3 Novel Particle Sources and Acceleration Techniques
MC4 Hadron Accelerators
MC5 Beam Dynamics and EM Fields
MC6 Beam Instrumentation, Controls, Feedback and Operational Aspects
MC7 Accelerator Technology
MC8 Applications of Accelerators, Technology Transfer and Industrial Relations
Non-MC