

IPAC'22 Synoptic Table

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday				
		<p>Location: Grand Diamond Ballroom Chair: Prapong Kiyusun (SLRI)</p> <p>Welcome Message</p> <p>Yoshihiro Funakoshi (KEK) The SuperKEKB Has Broken the World Record of the Luminosity</p> <p>Erica Chadron (INFN/LNF) Progress Towards Demonstration of a Plasma Based FEL</p> <p>David Tarazona (Cornell Univ.) The Accelerator and Beam Physics of the p-2 Experiment</p>	<p>Location: Grand Diamond Ballroom Chair: Hirokazu Masaka (RIKEN)</p> <p>Accurate and Confident Prediction of Electron Beam Longitudinal Properties Using Spectral Virtual Diagnostics</p> <p>Gaku Mitsuka (KEK) Design and Construction of Optical System of the Coronagraph for Beam Size Observation in the SuperKEKB</p> <p>Salvatore Danese (CERN) Wireless IoT in Particle Accelerators: A Practical Approach with the JET Resonance Monitor at CERN</p> <p>Frederick (Eric) William Cropp V (UCLA) 60 Phase Slotted Dipole-Based Superconducting Linear Accelerator Conceptual Neural Network</p>	<p>Location: Sapphire 204-205 Chair: Xinchou Lou (IHEP)</p> <p>Soi Omalya (SLAC) Recent Achievements in the NEG Technology in Application to Coating Vacuum Chambers of Constrained Geometries</p> <p>Valentine Petit (CERN) Origin and Mitigation of the Beam-Induced Surface Modifications of the LHC Beam Screens</p> <p>Kathina Howard (Univ. of Chicago) Analysis of Low RRR SRF Cavities</p> <p>Tomoya Toriumi (Riga Technical Univ.) Evaluation of Geometrical Precision and Surface Roughness Quality for the Additively Manufactured Radio Frequency Quadrupole Prototype</p>	<p>Location: Grand Diamond Ballroom Chair: Xinchou Lou (IHEP)</p> <p>Derong Xu (HZDR) EIC Beam Dynamics Challenges</p> <p>Mauro Migliorati (Sapienza Univ. of Rome) Studies and Mitigation of Collective Effects in FCC-ee</p> <p>Stephen Brooks (BNL) Electron Ion Collider Lattice Design for LHeC With Permanent Magnets</p> <p>Hajime Goto (IHEP) An Alternative Design for BEPCII Upgrade</p>	<p>Location: Sapphire 204-205 Chair: Ralph Assmann (DESY)</p> <p>Kouichi Jimbo (QST) Proposal for a Compact Neutron Generator Based on a Nitrogen Andromeda Ion Beam</p> <p>Sophie Crisp (RELAT) Progress in Multi-MeV Energy Gains in a Relativistic Dielectric Electron Cooling Experiment for Proton Beams With Intense Space-Charge in DTA</p> <p>Hyoung Jin Kim (ISIS) mm-Wave Structure Development for High Gradient Acceleration</p>	<p>Location: Grand Diamond Ballroom Chair: Tadashi Kosaki (KEK)</p> <p>Hongwei Zhao (IMP) High Intensity Beam Accelerator Facilities HAF and CADDS: Status and Demonstrations of Key Technologies</p> <p>Laurette Ponce (CERN) ELINA From Commissioning to Operation</p> <p>Niranjana Banerjee (Enrico Fermi Institute) Electron Cooling Experiment for Proton Beams With Intense Space-Charge in DTA</p> <p>Commissioning Status of the Injector of BAOQ Superconducting Accelerator</p>	<p>Location: Sapphire 204-205 Chair: Kouichi Soutome (RIKEN)</p> <p>Nobuyuki Nishimori (QST) A New Compact 3 GeV Light Source in Japan</p> <p>Zhihong Pan (TUB) Low-Alpha Storage Ring Design for Steady-State Microprobes to Generate EUV Radiation</p> <p>Illya Drobot (JINR) Brno High-Flux Dual X-Ray and THz Radiation Source Based on Energy Recovery Linac</p> <p>Georgia Parasakhi (DESY) Path to High Repetition Rate Seeding: Combination of High Gain Harmonic Generation With an Optical Klystron</p>	<p>Location: Grand Diamond Ballroom Chair: Hirokazu Masaka (RIKEN)</p> <p>Wolfgang Hölzl (CERN) Status and Prospects of Fast Beam-Based Feedbacks</p> <p>Tatiana Nechaeva (MPS-P) A Method for Obtaining 3D Charge Density Distribution of a High-Brightness Proton Beam</p> <p>Shuihui Zhang (JLab) Development of a Quantum Electron Beam Diagnostic Apparatus</p> <p>Hironori Suda (KEK) Injection Beam Measurement Using Synchrotron Radiation Electrons at the SuperKEKB</p>	<p>Location: Sapphire 204-205 Chair: Thapakorn Pulampong (SLRI)</p> <p>Takao Asaka (JAERI) Low-Emission Compact RF Electron Gun with a Gridded Thermionic Cathode</p> <p>Chihiro Ohnori (J-PARC, KEK & JAEA) 20-Year Collaboration on Synchrotron RF Between CERN and J-PARC</p> <p>Jiahang Shao (ANL) Demonstration of Gradient Above 300 MV/m in Short Pulse Resonance Using an X-Band Single-Cell Structure</p> <p>Nuria Catalan-Lasheras (CERN) First Operation of a Klystron Filled With a Superconducting MoS₂ Substrate</p>
		Coffee break (30 mins, 10:40 - 11:10)		Coffee break (30 mins, 10:30 - 11:00)		Coffee break (30 mins, 10:30 - 11:00)				
		<p>Location: Grand Diamond Ballroom Chair: Hyoyung Suk (GIST)</p> <p>Robert Joel England (SLAC) Progress in Developing an Accelerator on a Chip</p> <p>Chen Lin (PKU) Recent Progress of Compact Laser Plasma Accelerator at Peking University</p> <p>Gregor Lobach (DESY) Experiments Towards High-Repetition-Rate Plasma Wakefield Acceleration at ELIAS@Forward</p> <p>Edda Gschwendtner (CERN) The AWAKE Experiment at CERN: Performance and Preliminary Results on Electron Seeding of Self-Amplified Spontaneous Emission</p>	<p>Location: Sapphire 204-205 Chair: Rohan Dowd (AS - ANSTO)</p> <p>Auralee Edelen (SLAC) Machine Learning as a Tool for Online, Surrogate Modelling of Beam Dynamics</p> <p>Riccardo Bartolini (DESY) Toushek and Intra-beam Scattering Effects in Extremely Low Emittance Storage Rings</p> <p>Frank Zimmermann (CERN) Impact of Longitudinal Gradient Dipole on Storage Ring Performance</p> <p>Murilo Barbosa Alves (LNL) Measurements of Collective Effects Related to Beam Coherent Excitation at LCLS</p>	<p>Location: Grand Diamond Ballroom Chair: Andreas Jansson (ESS ERIC)</p> <p>Thomas Tschentscher (EUXFEL) The Status of the European Spallation Source</p> <p>Hiroshi Inao (RIKEN Nishina Center) Present Status and Future Plan With Charge Stripper Ring at RIKEN RIBF</p> <p>Jie Wei (FRIB) FRIB Commissioning and Early Operations</p>	<p>Location: Grand Diamond Ballroom Chair: Marie-Helene Moscatello (CEA)</p> <p>Vereena Kain (CERN) Achievements and Performance Prospects of the Upgraded LHC Injectors</p> <p>Pranab Kumar Shaha (J-PARC/JAEA) Recent Results of Beam Loss Mitigation and Extremely Low Beam Loss Operation of J-PARC RCS</p> <p>Vladimir N. Litvinenko (Stony Brook Univ.) Results of the Coherent Electron Cooling Experiment at RHIC</p> <p>Sergiy Litvinov (ISIS) Synchronous Mode of the Experimental Storage Ring (ESR) at GSI</p>	<p>Location: Sapphire 204-205 Chair: Franz-Josef Decker (SLAC)</p> <p>Erik Jan Wallén (LBNL) New Designs of Short-Period Undulators for Producing High-Brightness Radiation in Synchrotron Light Sources</p> <p>Ihar Lobach (ANL) Experiments With Undulator Radiation, Emittance by a Single Electron</p> <p>Alexandre Moutarde (Univ. Paris-Saclay) First Electron Beam of THOMX Project</p> <p>Hasnat Shabat Sawai (SESAME) Operation Experience with SESAME RF System</p>	<p>Location: Grand Diamond Ballroom Chair: Xiaobiao Huang (SLAC)</p> <p>Yongfang Yan (SSRF) White Rabbit Based Beam-Synchronous Timing System for SSRF</p> <p>Kacper Lasocha (Jagiellonian Univ.) Experimental Verification of Several Theoretical Models for CHD Description</p> <p>Raffael Nemczyk (DESY) Experimental Site Entrance Radiation at PITZ Using Laser Pulse Shaping</p> <p>Woojin Song (POSTECH) Online Measurement of Beam Length and FWHM-pattern in the PS-II Storage Ring using a Fast Photodiode</p>	<p>Location: Sapphire 204-205 Chair: Thapakorn Pulampong (SLRI)</p> <p>Sushil Sharma (BNL) Development of Advanced Magnets for Modern and Future Synchrotron Light Sources</p> <p>Alexander Bainbridge (STFC/DL/ASTeC) Construction and Measurement of a Tunable Permanent Magnet Quadrupole for Diamond Light Source</p> <p>Tatsuhiko Shobuta (KEK) The New Eddy Current Type Septum Magnet for Upgrading of Fast Extraction in Main Rings of J-PARC</p> <p>Jirahen Kesgin (ANL) Progress on the NSLS-II Superconducting Undulator Development at the Advanced Photon Source</p>	<p>Location: Grand Diamond Ballroom Chair: Hitoshi Tanaka (RIKEN)</p> <p>Mike Seidel (PSI) Towards Efficient Particle Accelerators - a Review</p> <p>Manjiv Dasañji (CERN/Oxford Univ.) Accelerating the Future: Designing a Robust and Affordable Radiation Therapy Treatment System for Challenging Environments</p> <p>Tomoki Nakamura (Tohoku Univ.) Synchrotron Light Illuminates the Origin of the Solar System</p>	
		Lunch break (90 mins, 12:30 - 14:00)		Lunch break (90 mins, 12:30 - 14:00)		Lunch break (90 mins, 12:30 - 14:00)				
		<p>Location: Grand Diamond Ballroom Chair: Peter McIntosh (STFC)</p> <p>Georg Hoffstaetter (Cornell Univ.) An ERL-Driven Intense Compton Source Above 100 keV and Other ERL Applications</p> <p>Yoshiki Otake (RIKEN) RIKEN Accelerator-Driven Compact Neutron Systems, RANS Project and Their Capabilities</p> <p>Ryan Bodenstain (JLab) Need for Portable Accelerators in Cultural Heritage</p> <p>Maurizio Vretenar (CERN) A Compact Synchrotron for Advanced Cancer Therapy With Helium and Proton Beams</p> <p>Emma Snively (SLAC) Rapid RF-Driven 3D Penicillin Beam Scanning for Proton Therapy</p>	<p>Location: Sapphire 204-205 Chair: Rogelio Tomas (CERN)</p> <p>Xinchou Lou (IHEP) Status of the Circular e+e- Collider Projects in Asia and Europe: CEPC and FCC-ee</p> <p>Daniel Schulte (CERN) Muon Colliders: Where Are We?</p> <p>Jacqueline Keintzel (CERN) Prospects for Optics Measurements in FCC-ee</p> <p>Mika Masuzawa (KEK) Chronos: X-ray Coupling Correction by Tilting Septupole Rotations in the SuperKEKB Proton Ring</p> <p>Bettina Christa Kuske (HZB) The European ERL Roadmap</p>	<p>Location: Grand Diamond Ballroom Chair: Ralph Assmann (DESY)</p> <p>Xueyan Shi (IHEP) Design of an LPA-Based First-Stage Injector for a Synchrotron Light Source</p> <p>Claudia Emma (SLAC) Status and Prospects for the Plasma-Driven Attosecond X-Ray (PAX) Experiment at FACET-II</p> <p>Industry Session (14:40 - 16:40) Grand Diamond Ballroom</p> <p>Particle Accelerator Technology: From Research to Industry - Present Global Overview and How to Move Forward</p> <p>Moderator: Raffaella Geomettrante (General Director of Kyoto Spa)</p> <p>Speakers: Wilson Rugsanchanonehol (The Federation of Thai Industries), Hans Priem (VDL ETG T&D), Enrico Brindetti (CERN ELS v.1.1), Maurizio Vretenar (CERN), Sandra Biedron (Element Aero and CMS), Susie Sheehy (Univ. of Melbourne)</p>	<p>Location: Sapphire 204-205 Chair: Rohan Dowd (AS - ANSTO)</p> <p>Toshihiko Hirawa (RIKEN Spring-8 Center) Interpretation of Particle Motion in a Circular Accelerator as Diffraction of Light</p> <p>Giuliano Franzetti (CERN) Trapping of Neutral Molecules by the Electromagnetic Beam Field</p> <p>Song-Yeol Kim (ANL) Undulator-Based Energy Spread in a Beam-Driven Synchrotron Light Source</p> <p>Natalia Triantafyllou (The Univ. of Liverpool) Investigating the Suppression of the Coherent Dipole Moment Growth From the Free-Stream Beam Instability</p> <p>Yoshihiro Shobuta (JAEA/J-PARC) Measurements of the Radiation Fields From a Ceramic Break</p> <p>Michelle Carlis (ALBA-CELLS Synchrotron) Full Coupling Studies for ALBA-II</p>	<p>Location: Grand Diamond Ballroom Chair: Prapong Kiyusun (SLRI)</p> <p>Accelerator Prizes Special Session</p> <p>The Xie Jialin Prize for outstanding work in the accelerator field</p> <p>The Midkettle Tetsuji Prize for a recent, significant, original contribution to the accelerator field</p> <p>The Hagiwara Prize for a recent, significant and original contribution to the accelerator field</p> <p>Prizes for the best student posters</p> <p>Entertainment Session</p> <p>"Looking into the Past with Photons"</p> <p>Wantana Kiyusun, Cateya Rojviria and Prae Chirawatwut (SLRI)</p>	<p>MC1 Circular and Linear Colliders</p> <p>MC2 Photon Sources and Electron Accelerators</p> <p>MC3 Novel Particle Sources and Acceleration Techniques</p> <p>MC4 Hadron Accelerators</p> <p>MC5 Beam Dynamics and EM Fields</p> <p>MC6 Beam Instrumentation, Controls, Feedback and Operational Aspects</p> <p>MC7 Accelerator Technology</p> <p>MC8 Applications of Accelerators, Technology Transfer and Industrial Relations</p> <p>Non-MC</p>			
		<p>Registration for Opening Ceremony (08:00 - 16:00)</p> <p>Poster Session / Coffee (14:00 - 16:00)</p>	<p>Opening Ceremony Presided over by H.R.H. Princess Maha Chakri Sirindhorn</p> <p>Chris Polly (Fermilab) Growing Expectations for New Physics</p> <p>Prapawan Sunwong (SLRI) SPS-II: A 4th Generation Synchrotron Light Source in Southeast Asia</p>	<p>Poster Session / Coffee (16:00 - 18:00)</p> <p>Poster Session / Coffee (16:00 - 18:00)</p> <p>Poster Session / Coffee (16:00 - 18:00)</p>	<p>Poster Session / Coffee (16:00 - 18:00)</p> <p>Poster Session / Coffee (16:00 - 18:00)</p> <p>Poster Session / Coffee (16:00 - 18:00)</p>	<p>Poster Session / Coffee (16:00 - 18:00)</p> <p>Poster Session / Coffee (16:00 - 18:00)</p> <p>Poster Session / Coffee (16:00 - 18:00)</p>	<p>Chair's Reception</p> <p>Conference Banquet</p>			