

(参考)

NAPAC'22 Synoptic table including invited speakers and abstract #'s (as of July 20th)

Talk titles abbreviated for brevity		Sunday, Aug 7	Monday, Aug 8	Tuesday, Aug 9	Wednesday, Aug 10	Thursday, Aug 11	Friday, Aug 12
7:30							
7:55		Student breakfast MOODE — Chair: S. Biedron Conference Opening @ 7:55 am		Student breakfast		Student breakfast	
8:00		Applications of Particle Accelerators Mitsuru Uesaka (Japan Atomic Energy Commission) MOODE1	Radiation Concerns and Mitigation Schemes for Accelerator Facility Components, F. Pellegrino (FNAL) TUXD1	Advances in Beam Dynamics at Nuclear Physics Accelerator Facilities, A. Sy (JLab) WEXD1	Machine Learning for Improved Accelerator Health and Reliability, Y.A. Yucesan (ORNL) THXD1	Demonstration of Optical Stochastic Cooling in an Electron Storage Ring, J. Jarvin (FNAL) FRXD1	
8:30		Expanding the Boundaries of X-ray Lasers: LCLS Upgrades and Future Greg Hays (SLAC) MOODE2	An E-Beam Irradiation Beamline at Jefferson Lab for PFAS Remediation in Wastewater, X. Li (ODU) TUXD2	Storage Ring Tracking Using Generalized Gradient Representations of Full Magnetic Field Maps, R. R. Lindberg (ANL) WEXD2	6D Phase Space Diagnostics Based on the Latent Space of Encoder-Decoder CNNs, A. Scheinker (LANL) THXD2	Experimental Demonstration of Multi-Function Longitudinal Beam Phase-Space Manipulation via Double Emittance-Exchange, J. Seok (ANL) FRXD2	
9:00		Building a Global, Collaborative Accelerator Economy: Summary of the IPAC 2022 Industrial Session Raffaella Geometrante (Kyma) MOODE3	Production Pathways for Medically Interesting Isotopes, L. Del Rio (UpoPR) TUXD3	Map Tracking in Rings With Stochastic Radiation Emission Effects, D. Sagan (Cornell) WEXD3	Improved Multi-Dimensional Bunch Shape Monitor, A. Araujo (RadiaBeam) THXD3	Measurements of the Five-Dimensional Phase Space Distribution of a High-Intensity Ion Beam, A. Hoover (ORNL) FRXD3	
9:30	Project Management and Accelerator Development, M. Georgsson, S. Biedron SUXF1	PW-Class Lasers for Accelerators - Overview and an Industry Perspective Olivier Chalus (Thales) MOODE4	Laser-Plasma-Accelerator-Driven Electron Radiography on the OMEGA EP Laser, G. Bruehag (LLE) TUXD4	OPAL for Self-Consistent Start-to-End Simulation of Undulator-Based Facilities, A. Adelmann (PSI) WEXD4	Online Accelerator Tuning with Adaptive Bayesian Optimization, N. Kuklev (ANL) THXD4	Suppressing the Microbunching Instability at ATF using Laser Assisted Bunch Compression, O. Marksteiner (LANL) FRXD4	
10:00	Alvarado G	Coffee Break (30 min) refreshments provided	Development of Achromatic Imaging Capabilities for pRad at LANSCE, M. Schanz (LANL) TUXD5	Simulation for AWA Drive Line and EEX Beamline Using OPAL, GPT, and Impact-T, S. Kim (ANL) WEXD5	ML-Based Tuning of Control Parameters for LLRF System of Superconducting Cavities, J. Cruz (UNN) THXD5	Nonlinearly Shaped Pulses at LCLS-II, N. Neveu (SLAC) FRXD5	
		MOYD — Chair: F. Pilat	Role of People, Materials, and Manufacturing in the Future of Vacuum Electronics, D. Gamzina (SLAC) MOYE1	Electron Cloud Measurements in Fermilab Booster, S. Wijethunga (FNAL) WEXD6	Developing Control System Specifications and Requirements for Electron Ion Collider, A. Blednykh (BNL) THXD6	Bunch Length Measurements at the CEBAF Injector at 130 KV, S. Pokharel (ODU) FRXD6	
10:30		Progress on the Electron-Ion Collider, F. J. Willeke (BNL) MOYD1	High Voltage DC Gun for High Intensity Polarized Electron Source, O. H. Rahman (BNL) TUYD1	Coulomb Crystals in Storage Rings for Quantum Information Science, K. A. Brown (BNL) TUYE1	Ultrahigh Energy Electrons from Laser Wakefield Accelerators, B. M. Hegelich (UT Austin) WEYD1	XFEL as a Low-Emissittance Injector for a 4th-Generation Synchrotron Radiation Source, T. Hara (RIKEN) THYE1	Accelerator Searches for Axions and Dark Matter, Richard G Van de Water (LANL) FRCDE1
11:00		Options for Future Colliders at Fermilab, P. C. Bhat (FNAL) MOYD2	LCLS-II HE vCM Test Results: Newly Developed N-Doping Treatment and Plasma Processing, B. Giaccone (FNAL) MOYE2	Next Generation Computational Tools For The Modeling And Design Of Particle Accelerators At Exascale, A. Huebl (LBNL) TUYE2	Next-Generation Accelerator Facilities at Fermilab, R. M. Zwaska (FNAL) WEYE1	The Challenging Physics Regimes of High Current Electron Beams, J. E. Coleman (LANL) THYD2	Accelerator Production of Medical Radionuclides, Cathy Cutler (BNL) FRCDE2
11:30		EIC Transverse Emittance Growth due to Crab Cavity RF Noise: Estimates and Mitigation, T. Mastoridis (CalPoly) MOYD3	Conduction Cooled Superconducting RF Cavity With Field Emission Cathode, Y. Ji (FNAL) MOYE3	Data Management and Processing Framework on a Server for Scientific Experimental Data, A. Liu (Euclid Techlabs) TUYE3	Upgrade of the FRIB ReAccelerator, A. Villari (FRIB) WEYE2	Update on the Status of the C-Band Engineering Research Facility at LANL, E. Simakov (LANL) THYD3	Radiation Effects in Microelectronics - Why We Need Particle Accelerators, Jonny Pelish (NASA) FRCDE3
12:00		Model Parameters Determination in EIC Strong-Strong Simulation, D. Xu (BNL) MOYD4	Diagnoses and Repair of a Crack in the DTL Accelerating Structure at LANSCE, W. Barkley (LANL) MOYE4	Machine Learning for Anomaly Classification in Particle Accelerators, I. Lobach (ANL) TUYE4	Improvements to the Recycler/Main Injector to Deliver 850 kW+, R. Ainsworth (FNAL) WEYE3	Superconducting Undulators and Cryomodules for X-ray Free-Electron Lasers, D. Nguyen (SLAC) THYE3	Conference Closing
		Tolerances of Crab Dispersion at the Interaction Point in the Hadron Storage Ring of EIC, Y. Luo (LAb) MOYD5	In Situ Plasma Processing of Superconducting Cavities at JLab, T. Powers (JLab) MOYE5	Epitaxial Alkali-Aluminide Photocathodes on Lattice-matched Substrates, P. Saha (ASU) TUYE5	Design and Fabrication of a Metamaterial Wakefield Accelerating Structure, D. Merenich (NIU) WEYD4	Progress on the APS-U Injector Upgrade, J. Calvey (ANL) THYE4	
		Chromatic Correction of the EIC Electron Ring Lattice, Y. Cai (SLAC) MOYD6	Spin-Polarized Electron Photoemission and Detection Studies, A. Alicea (UoPR) MOYE6	Commissioning of the ASU Cryocooled 200 kV DC Electron Gun, G. Gevorkyan (ASU) TUYE6	Multibjective Optimization of the LCLS-II Photoinjector, N. Neveu (SLAC) WEYE5	Emittance Measurements of Nanoblade-Enhanced High Field Cathode, G. Lawler (UCLA) THYD5	
				High-Fidelity Simulations and Machine Learning for Accelerator Design and Optimization, A. Adelmann (PSI) TUYE6	Studies of a PIP-II Mu2e Experiment, M. Cummings (Muons) WEYE6	Analysis of Low RRR SRF Cavities, K. Howard (UoC) THYE5	
					Thermionic Source for Electron Cooling at IOTA, M. Bossard (U of I) WEYE6	First Demonstration of a ZnNb Alloyed Surface for Superconducting Radio-Frequency Cavities, Z. Sun (Cornell) THYE6	
12:30		Lunch Break (90 min) food not provided		Lunch Break (90 min) food not provided	Lunch Break (90 min) food not provided	Lunch Break (90 min) food not provided	
13:00							
13:30		MOZD — Chair: K. Harkay	MOZE — Chair: N. Majernik	TUZD — Chair: M. Palmer	TUZE — Chair: M. Borland	WEZD — Chair: M. Curtin	WEZE — Chair: H. Andrews
14:00		Commissioning of LCLS-II, Y. Ding (SLAC) MOZD1	Demonstration of High-Gradient in a Cryo-Cooled X-Band Structure, M. H. Nasr (SLAC) MOZE1	The Electron/Positron Future Circular Collider, F. Zimmermann (CERN) TUZD1	Experimental Phase-Space Tracking of a Single Electron in a Storage Ring, A. L. Romanov (FNAL) TUZE1	ARDAP's Perspective on Accelerator Technology Research and Development in the US, B. Carlsten (DOE) WEZD1	Current Status of Developing an Ultrafast Electron Microscope, X. Yang (BNL) WEZE1
14:30	Introduction to Systems Engineering Concepts, M. Georgsson, S. Biedron SUZF1	Single Pass High Efficiency THz FEL, A. C. Fisher (UCLA) MOZD2	Results of Awake Run 1 and Plans for Run 2 Towards HEP Applications, M. Bergamaschi (CERN), MOZE2	The International Effort Towards a Muon Collider, D. Stratakis (FNAL) TUZD2	Nonlinear Optics from Off-Energy Closed Orbits, D. K. Olsson (MAX IV) TUZE2	Solid State Active Reset Induction Technology to Accelerate KA Electron Beam, J. Ellsworth (LNL) WEZD2	Ultrafast Electron Diffraction at Cornell Using Low Emittance Photocathodes, J. M. Maxson (Cornell) WEZE2
15:00	Alvarado G	Development of Two-Color Sub-Femtosecond Pump/Probe Techniques With X-Ray FELs, Z. Guo (Stanford) MOZD3	An X-band Short-Pulse Ultra-High Gradient Photoinjector, G. Chen (ANL) MOZE3	Ultimate Limits of Future Colliders, M. Bai (SLAC) TUZD3	Optimizing the Discovery of Underlying Nonlinear Beam Dynamics, L. Poche (UMD) TUZE3	Magnetron R&D Progress for High Efficiency CW RF Sources of Industrial Accelerators, H. Wang (JLab) WEZD3	Compact, High-Power SC Electron Linacs for MW Industrial Applications, C. Thangaraj (FNAL) WEZE3
		Uncertainty Quantification of Beam Parameters in an LIA Inferred from Bayesian Analysis, M. Jaworski (LANL) MOZD4	Ceramic Enhanced Accelerator Structure Low Power Test and Designs of High Power and Beam Tests, H. Xu (LANL) MOZE4	Plans for Future Energy Frontier Accelerators to Drive Particle Physics Discovery, M. Turner (LBNL) TUZD4	PIC Simulations of High Current Density Electron Beams in the Scorpion Accelerator, S. Clark (LNL) TUZE4	Using off Axis Undulator Radiation as a Longitudinal Electron Beam Diagnostic, Q. Marksteiner (LANL) WEZD4	First High-Gradient Results of UED/UEM SRF Gun at Cryogenics Temperatures, R. Kostyuk (Euclid) WEZE4
		An ERL-Based Compact X-Ray FEL, F. Lin (ORNL) MOZD5	Experience and Challenges With Electron Cooling of Colliding Ion Beams in RHIC, A. Fedotov (BNL) TUZD5	Studies of Ion Beam Heating by Electron Beam, S. Seletsky (BNL) TUZE5	Micro-Electromechanical Systems Based Multi-Beam Ion Accelerators, Q. Ji (LBNL) WEZD5	Manufacturing the Harmonic Kicker Cavity Prototype for the Electron-Ion Collider, S. Overstreet (JLab) WEZD6	Magnetic Flux Expulsion in SC Radio-Frequency Niobium Cavities, B. Khanal (ODU) WEZE5
		Accelerator Physics Lessons From CBETA, the First Multi-Turn SRF ERL, K. Deirickx (JLab) MOZD6	Fulfilling the Mission of ATF as a DOE Flagship User Facility in Accelerator Stewardship, M. Palmer (BNL) MOZE6	Studies of Ion Instability Using a Gas Injection System, J. Calvey (ANL) TUZE6	Characterization of the Fields Inside the CO2 Wakefield Accelerators using e-Beams, I. Petrushina (SUNY) WEZD6	Characterization of the Fields Inside the CO2 Wakefield Accelerators using e-Beams, I. Petrushina (SUNY) WEZD6	A Time-Resolved Beam Halo Monitor Using Diamond Detectors and High Speed Digitizers, D. Neuffer (FNAL) THZD6
16:00		Coffee Break (30 min) MOPA		Coffee Break (30 min) TUPA		Coffee Break (30 min) WEPA	
16:30							
17:00		Posters (90 min)		Posters (90 min)		Posters (90 min)	
17:30	Welcome Reception					Louis Costrell Awards Session	
18:00							
18:30		LEGEND		Entertainment and Historical Talk: Los Alamos National Laboratory: Beyond Manhattan, Alan B. Carr (LANL) Alvarez DE Moderator: L. Peterson (LANL)		Celebration of Diversity, Equity, and Inclusion in the Accelerator Community, Celebration Speaker: Katherine Saunders Haight, Office of Diversity and Strategic Staffing, LANL (30 minutes) Participative interactive celebration to follow!!!!!! Alvarez DE Moderator: E. Simakov (LANL)	
19:00		Opening / Closing / Awards MC1 MC2 MC3 MC4 MC5 MC6 MC7 MC8 MC9 Social Posters Tutorials / Short Courses	Opening and Closing Sessions Colliders Photon Sources and Electron Accelerators Advanced Acceleration Hadron Accelerators Beam Dynamics Beam Instrumentation and Controls Accelerator Technology Accelerator Applications Computing and Data Science for Acc Sys Poster sessions Tutorials and short courses			Conference Banquet, Alvarez DE Cocktails 6 PM Dinner 6:30 PM Special Performance 7:30 PM Dancing 8:00 PM - Until Dawn	
19:30							
20:00							
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