

Future Light Sources 2023 Program

Time	Sunday, Aug. 27	Monday, Aug. 28	Tuesday, Aug. 29	Wednesday, Aug. 30	Thursday, Aug. 31	Friday, Sep. 1			
		Plenary Session MO1 (Chair: Romain Ganter) Coronado	TU1 – Working Group C – Coronado Compact Light Sources Chair: Alexander Yu. Molodtsov	TU1 – Working Group B – Orion – DC3 Storage Ring Light Sources Chair: Andreas Jankowiak	Plenary Session WE1 (Chair: Andreas Jankowiak) Coronado	TH1 – Working Group D – Coronado Key Technologies Chair: Sara Casalbuoni	Plenary Session FR1 (Chair: Hans-Heinrich Braun) Coronado		
08:30		EuPRAXIA: the first FEL user facility driven by a plasma accelerator – Ralph Assmann	Vlad Musat (CERN) [20 + 5 min] Abel Pires (CEA) [20 + 5 min] Ishay Pomerantz (Tel Aviv University) [20 + 5 min] William Graves (Arizona University) [20 + 5 min]	Paul Goslawski (HZB) [20+5 min] Zhilong Pan (TUB, Beijing) [20+5 min] Yongjun Li (BNL) [20+5 min] Zhenghe Bai (USTC/NSRL) [20+5 min]	Status and Future of XFEL Source Developments – Sven Reiche	Johann Baader (EuXFEL) [20+5 min] Toshiteru Kii (Kyoto University) [20+5 min] Patrick Krejcik (SLAC) [20+5 min] Angela Potet (SOLEIL) [20+5 min] Discussion	Coronado		
09:00		Free-electron–light interactions in nanophotonics – Charles Roques-Carmes			Progress and update on cavity based XFELs – Zhirong Huang		Summary WG-A: Eduard Prat, Erik Hemsing, Marc Guetg, Takahiro Inagaki		
09:30		Production and Characterization of hard X-rays beyond 25 keV – Ye Chen			Enabling technologies for compact multilayer XFELs – John Byrd		Summary WG-B: Nicola Carmignani		
10:00		The Challenges and Benefits of Increased Application of Permanent Magnets to Future Light Sources – Joel Chavanne			Operating Liquid Metal Jet X-ray Sources for Materials Research – Mirko Boin		Summary WG-C: Yen-Chieh Huang		
10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
11:00–12:30		Plenary Session MO2 (Chair: Kwang-Je Kim) Coronado	TU2 – Working Group A – Coronado Linac Based Light Sources “Coherence” Chairs: Erik Hemsing, Marc Guetg	WE2 – Working Group A – Coronado Linac Based Light Sources “e- beam & FEL physics” Chairs: Takahiro Inagaki, Erik Hemsing	WE2 – Working Group C – Orion – DC3 Compact Light Sources Chair: Cheng-Ying Tsai	TH2 – Working Group C – Coronado Compact Light Sources Chair: Philippe Regis-Guy Piot	TH2 – Working Group A – Orion – DC3 Linac Based Light Sources “Short Pulses” Chairs: Marc Guetg, Eduard Prat	Plenary Session FR2 (Chair: Hans-Heinrich Braun) Coronado	
11:00		Future of the multi bend achromat – Pantaleo Raimondi	Giovanni de Ninno [12+3 min] Dinh Cong Nguyen (xLight) [12+3 min] Shan Liu (DESY) [12+3 min] Rachel Anne Margraf (Stanford University) [12+3 min] Discussion, 30’	Kwang-Je Kim (ANL) [12+3 min] Nicholas Sigmund Sudar (SLAC) [12+3 min] Meredith Henstridge (SLAC) [12+3 min] Simone Di Mitri (Elettra) [12+3 min] Discussion, 30’	Aliaksei Halavanau (SLAC) [20 + 5 min] Yen-Chieh Huang (NTHU) [20 + 5 min]	Marie-Emmanuelle Couprie (SOLEIL) [20 + 5 min] Alexander Yu. Molodtsov (Czech Republic Academy of Sciences) [20 + 5 min] Fei Li (TUB) [20 + 5 min]	Christoph Bostedt (PSI) [12+3 min] Weilun Qin (DESY) [12+3 min] Jiawei Yan (EuXFEL) [12+3 min] Guanglei Wang (PSI) [12+3 min] Discussion: 30’	Summary WG-D: Jim Clarke	
11:30		Storage ring based steady state microbunching – Alex Chao						Closing Conference	
12:00		Review of Harmonic Cavities in Fourth-Generation Storage Rings – Francis Cullinan							
12:30		Group Photos and Lunch Break	Lunch Break	Lunch Break	Lunch Break / IOC Lunch	Lunch Break / IOC Lunch	Lunch Break / IOC Lunch		
14:00–16:00		MO3 – Working Group B – Coronado Storage Ring Light Sources Chair: Francis Cullinan	MO3 – Working Group A – Orion – DC3 Linac Based Light Sources “Status of Facilities” Chairs: Eduard Prat, Takahiro Inagaki	TU3 – Working Group D – Coronado Key Technologies Chair: Dmitry Bazyl	TU3 – Working Group B – Orion – DC3 Storage Ring Light Sources Chair: Masamitsu Aiba	WE3 – Working Group A – Coronado Linac Based Light Sources “High Duty Cycle & Injectors” Chair: Erik Hemsing, Eduard Prat	WE3 – Working Group D – Orion – DC3 Key Technologies Chair: Jim Clarke	TH3 – Working Group B – Coronado Storage Ring Light Sources Chair: Naoto Yamamoto	TH3 – Working Group D – Orion – DC3 Key Technologies Chair: Olivier Marcouille
		Xiaobiao Huang (SLAC) [20+5 min] Alexis Gamelin (SOLEIL) [20+5 min] Naoto Yamamoto (KEK) [20+5 min] Weihang Liu (IHEP) [20+5 min]	SHINE, Dong Wang, 10’ PSI, Thomas Schietinger, 10’ SLAC, Dan Gonnella, 10’ EUXFEL, Mathias Scholz, 10’ FLASH, Mathias Vogt, 10’ PAL XFEL, Myunghoon Cho, 10’ Spring 8, Takahiro Inagaki, 10’ Fermi, Simone Di Mitri, 10’ SXFEL Shanghai, Chao Feng, 10’ Discussion: 30’	Daniel Gonnella (SLAC) [15+5 min] Marcus Lau (TRUMPF GmbH) [15+5 min] Emilio Alessandro Nanni (SLAC) [15+5 min] Hiroyasu Ego (KEK) [15+5 min] Boris Militsyn (STFC) [25+5 min] Discussion	Simon Leemann (LBNL) [25+5 min] Thorsten Hellert (LBNL) [20+5 min] Lu Xiaohan (HEPS) [20+5 min] Vadim Sajaev (ANL) [20+5 min]	Romain Letrun (EuXFEL) [12+3 min] Zhen Zhang (SLAC) [12+3 min] Cheng-Ying Tsai (HUST) [12+3 min] Zhen Wang (SARI-CAS) [12 +3 min] Sandeep Kumar Mohanty (DESY) [12+3 min] Thomas Geoffrey Lucas (PSI) [12+3 min] Discussion: 30’	Holger Schlarb (DESY) [25+5 min] Patrick Krejcik (SLAC) [25+5 min] Volker Schlott (PSI) [25+5 min] Discussion	Atoosa Meseck (HZB) [20+5 min] Boris Podobedov (BNL) [20+5 min] Kwang-Je Kim (ANL) [20+5 min] Haisheng Xu (IHEP) [20+5 min]	Shan Liu (DESY) [20+5 min] Andrea Santamaria Garcia (KIT) [20+5 min] Jingyi Tang (SLAC) [20+5 min] Pierre Schnizer (HZB) [20+5 min] Discussion
16:00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
16:30–18:00	Registration and Welcome Aperero – Conference Center Foyer	MO4 – Working Group B – Coronado Storage Ring Light Sources Chair: Simon Leeman	MO4 – Working Group C – Orion – DC3 Compact Light Sources Chair: Yen-Chieh Huang	Conference Room Coronado		Conference Room Coronado		TH4 – Working Group A – Coronado Linac Based Light Sources “Novel Concept” Chairs: Marc Guetg, Takahiro Inagaki	TH4 – Working Group D – Orion – DC3 Key Technologies Chair: Dmitry Bazyl
		Aiba Masamitsu (PSI) [25+5 min] Alberto Martinez de la Ossa (DESY) [20+5 min] Richard Fielder (Diamond) [20+5 min]	Yen-Chieh Huang (NTHU) [20 + 5 min] Philippe Regis-Guy Piot (Northern Illinois University) [20 + 5 min] Ilya Drebot (INFN) [20 + 5 min]	Poster Session		Poster Session		Fei Li (TUB) [12+3 min] Andrea Latina (CERN) [12+3 min] Jingyi Tang (SLAC) [12+3 min] Zhangfeng Gao (SSRF) [12+3 min] Discussion: 30’	Marek Grabski (MAXIV) [15+5min] Renkai Li (TUB) [15+5 min] Rong Xiang (HZDR) [15+5 min] Discussion
18:00									
18:30–22:30					Lake Lucerne Conference Dinner				