NOCE 2017 - Program 19-20 Sept.

	19 Sept., Tue	20 Sept., \	Wed
		Chair: Dinh Nguyen (LANL) 6. [LCON] Beam dynamics problems for an X-ray FEL oscillator, Kwang-Je Kim (ANL)	
08:30			
09:00		7. [LCON] Fully coherent FEL pulses in VUV and x-ray wavelengths, Enrico Allaria (ELETTRA)	
09:30		round table	
10:00		coffee break	
		Chair: Peter Kuske (HZB)	Chair: Zhirong Huang (SLAC)
10:30		S1.1 [SCE] Theoretical models of CSR in storage rings, Yunhai Cai (SLAC)	L1.1 [LCON] Schemes for a large bandwidth FEL, Sven Reiche (PSI)
11:00		S1.2 [SCE] Toward a Theory of CSR in Realistic Vacuum Chambers, Robert Warnock (SLAC)	L1.2[LCON] Chirped pulse amplification for short VUV FEL pulses David Garzella (CEA)
11:30		S1.3 [SCE] Practical theory for calculating the microwave instability threshold in electron storage rings, Ryan Lindberg (ANL)	L1.3 [LCON] Advances on phase-merging enhanced HGHG FELs, Haixiao Deng (SINAP)
12:00			
12:30			
13:00		Lunch on You	ur own
13:30		Chaire Dahart Ha	trol (SLAC)
14:00	Registration of Participants at the Registration Desk	Chair: Robert Hettel (SLAC) 8. (SCON) Operational scenarios of the Chinese high energy photon source project Qing Qin (IHEP)	
14:30	Chair: Kwang-Je Kim (ANL, Univ. Chicago) 0. Welcome, opening and introduction to the workshop Simone Di Mitri (ELETTRA)	9. [SCON] The BESSY VSR project for short X-ray pulse production, Andreas Jankowiak (HZB) [to be presented by Paul Goslawski]	
15:00	Particle beam physics in Arcidosso, 20 years later Swapan Chattopadhyay (FNAL)	10. [SCON] Storage ring beam dynamics with crab cavities for short and long bunches, Xiaobiao Huang (SLAC) [to be preseneted by Alexander Zholents]	
15:30	2. Summary of the IPAM workshop, Amie Wilkinson (Univ. of Chicago)	round table	
16:00	coffee break	coffee bro	eak
	Chair: Max Cornacchia (SLAC / Retired)	Chair: Peter Kuske (HZB)	Chair: Zhirong Huang (SLAC)
16:30	Can there be just one ideal light source?, Jerry Hastings (SLAC)	S2.1 [SCE] Collective effects at SIRIUS, Fernando Henrique de Sà (LNLS)	L2.1 [LCON] A compact FEL-driven inverse Compton scattering high-energy gamma-ray source, Massimo Placidi (LBNL)
17:00	4. Beam by design, Alexander Zholents (ANL)	S2.2 [SCE] Self-consistent simulations and analysis of coupled-bunch instability for multibunch configurations, Gabriele Bassi (BNL)	L2.2 [LCON] Generation of high-power, tunable THz radiation from laser interaction with an e- beam, Zhirong Huang (SLAC)
17:30	5. Potentialities and compromises in design of storage ring diffraction limited light sources, Richard Walker (DLS)	S2.3 [SCE] Transverse coupled-bunch instability thresholds with a harmonic-cavity-flattened rf potential, Francis Cullinan (MAX-IV)	L2.3 [LCON] Advances in Inverse FELs, Pietro Musumeci (UCLA)
18:00	round table		
18:30	Aperitif at the Castle. Registration of Participants at the Registration Desk		
19:00			

LEGENDA

0. - 23. = Plenary Talks @ 1st Floor L = Linacs, WORKING GROUP 1 @ 1st Floor S = Storage Rings, WORKING GROUP 2 @ Ground Floor

CON = Concepts

LND = Linear and Nonlinear Dynamics

CE = Collective Effects

NOCE 2017 - Program 21-22 Sept.

	21 Sept., Thu 22 Sept., Fri				
	Chair: Swapan Chattopadhyay (FNAL)		Chair: Sven Reiche (PSI)		
08:30			16. [LCON] Towards attosecond science at LCLS and LCLS-II with sub-fs beam length manipulations, James McArthur (SLAC)		
09:00	12. [SLND] Diffusion in stochastically-perturbed Hamiltonian systems and the recent application to the LHC dynamic aperture experiments, Armando Bazzani (INFN, Univ. of Bologna)		17. [LCON] Attosecond FEL pulses: physical and technical challenges Takashi Tanaka (RIKEN Spring-8)		
09:30	round table		round table		
10:00	coffee break		coffee break		
	Chair: Andrea Franchi (ESRF)	Chair: Toru Hara (RIKEN SPring-8)	Chair: Takashi Tanaka (RIKEN SPring-8)		
10:30	S3.1 [SLND] Misconceptions about betatron coupling in storage-ring-based light sources, Andrea Franchi (ESRF)	L3.1 [LCE] CSR suppression at the dogleg beam transport of SACLA, Toru Hara (RIKEN Spring-8)	18. [LCE] Beam manipulations in FEL linacs using self-induced fields, Paolo Craievich (PSI)		
11:00	S3.2 [SLND] Measurement of linear optics and coupling at NSLS-II, Weiming Guo (BNL)	L3.2 [LCE] Beam shaping to improve the FEL performance at LCLS, Yuantao Ding (SLAC)	19. [LCE] Dechirpers design and experimental results, Tim Maxwell (SLAC)		
11:30	S3.3 [SLND] Production of round beams in storage ring light sources, Peter Kuske (HZD)	L3.3 [LCE] Singularities of particle trajectory caustics & beam shaping in bunch compressors, Tessa Charles (Univ. of Melbourne)	20. [LCE] Fresh-slice x-ray FEL schemes for advanced x-ray applications, Alberrto Lutman (SLAC) [to be presented by Tim Maxwell]		
12:00	S3.4 [SLND] Production of round beams at PETRA IV, Ilya Agapov (DESY)	L3.4 [LCE] Experience of bunch compression with linearising achromats in the MAX-IV Linac, Sara Thorin (MAX-IV)	round table		
12:30 13:00 13:30	Lunch on Your own		Lunch on Your own		
	Chair: Armando Bazzani (INFN, Univ. of Bologna)		Chair: Enrico Allaria (ELETTRA)		
14:00	13. [SLND] Recent progress on nonlinear integrability: theoretical work, simulations and experimental results, Alexander Valishev (FNAL)		21. [LCON] First operation of a harmonic lasing self-seeded FEL, Evgeny Schneidmiller (DESY)		
14:30	14. [SLND] Theory of square matrix for nonlinear optimization, and application to NSLS-II, Li-Hua Yu (BNL)		22. [LCON] Harmonic self-seeding for the MaRIE x-ray FEL, Dinh Nguyen (LANL)		
15:00	15. [SLND] Suppression of higher-order terms of amplitude-dependent tune shift in nonlinear optimization of the SPring-8 upgrade Kouichi Soutome (RIKEN SPring-8, JASRI)		23. [LCON] TW-level x-ray FELs, Claudio Emma (UCLA, SLAC) [to be presented by Yuantao Ding]		
15:30	round table		round table		
16:00	coffee break		coffee break		
16:30	Chair: Andrea Franchi (ESRF) S4.1 [SLND] Could synchrotron light sources benefit from experience with beams split at CERN? Massimo Giovannozzi (CERN)	Chair: Toru Hara (RIKEN SPring-8) L4.1 [LCE] A time-discrete Vlasov approach to LSC driven micobunching in FEL-like beam lines, Philipp Amstutz (DESY)	Chair: Atoosa Meseck (HZB) Report from WG1 (Storage Rings) by P. Kuske		
17:00	S4.2 [SLND] First experimental results of operating beams split in horizontal phase space at BESSY II, Paul Goslawski (BESSY)	L4.2 [LCE] Generation of saw-tooth beam at AWA, Gwanghui Ha (POSTECH)	Report from WG2 (Linac-FELs) by Z. Huang & T. Hara		
17:30	S4.3 [SLND] Sextupole calibrations via off- energy orbit response matrix and high order dispersion, Nicola Carmignani (ESRF)		Close-out		
18:00	,		Seminar open to the public (at the Theater of Unanimi, in Italian): "La sostenibile complessita' del traffico: il punto di vista di un fisico" Armando		
18:30 19:00			sostenibile complessita' del traffico: il punto di vista di un fisico" Armando Bazzani (INFN, Univ. of Bologna)		
19:00					

LEGENDA

Social Dinnerat at the Aiuole Restaurant (19:30 - 22:30)

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CON = Concepts

19:30

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