2017 US-Japan workshop on High-Intensity Laser-Matter Interaction
Buliding G07 Seminar Room 120
Dec. 18 - 19, 2017 | General Atomics Headquarters | San Diego, CA, USA

MONDAY (12/18)

8:40		Badging and gathering (at the Visitor Center)		
9:00	0:10	opening remarks by GA director (Farrell)		
9:10	0:25	talk #1	Wilks	Theory and simulation of NIF ion acceleration experiments
9:35	0:25	talk #2	Yogo	Deuteron acceleration boosted by multi-ps laser and its application to neutron radiography
10:00	0:25	talk #3	Wei	Electron beam genartion and magnetic collimation in multiple-ps laser solid target interaction
10:25	0:20	discussion		
10:45	0:10	coffee break		
10:55	0:25	talk #4	Murakami	Ultra-high-field Generation by Micro-bubbles
11:20	0:25	talk #5	Steinke	High peak current acceleration of narrow divergence ions beams with the BELLA-PW laser
11:45	0:25	talk #6	Jun Li	Ionization injection of highly charged copper ions for laser driven acceleration from ultra-thin foils
12:10	0:20	discussion		
12:30	1:00	lunch		
13:30	0:25	talk #7	Fukuda	Generation of multi-MeV pure proton beams via Coulomb explosion of laser-irradiated micron-size hydrogen clusters
13:55	0:25	talk #8	Jackson	Short Pulse Experiments on NIF-ARC for Discovery Science Campaigns
14:20	0:25	talk #9	Kim	Laser-accelerated intense proton beams and their transport in matter
14:45	0:25	talk #10	Dyer	The Matter in Extreme Conditions end station at LCLS: present and future
15:10	0:20	discussion		
15:30	0:10	coffee break		
15:40	0:25	talk #11	Kemp	Multi-picosecond laser plasma interaction near the relativistic threshold
16:05	0:25	talk #12	Kando	High field science cases explored with high-intensity, short laser pulses
16:30	0:25	talk #13	Bulanov	Ion acceleration at PW-class laser facilities: theory and simulations
16:55	0:25	talk #14	Arefiev	Leveraging extreme magnetic fields for ion acceleration
17:20	0:20	discussion		
17:40				End of day 1

TUESDAY (12/19)

8:30	0:25	talk #1	Koga	Possibility for measuring Delbruck scattering near 100 keV
8:55	0:25	talk #2	Nagler	High Power Lasers and X-ray Free Electron Lasers for High Energy Density Science
9:20	0:25	talk #3	Peebles	Examining the impact of prepulse on electron generation in high intensity laser-plasma interactions
9:45	0:25	talk #4	Tao Wang	Detecting the transition between relativistic transparency and hole boring in the pre-plasma region
10:10	0:20	discussion		
10:30	0:10	coffee break		
10:40	0:25	talk #5	Hussein	Influence of plasma density on the generation of 100s MeV energy electrons
11:05	0:25	talk #6	McGuffey	Delivery of laser-driven intense proton beams for Warm Dense Matter creation
11:30	0:25	talk #7	Zhang	Electron heating in the laser and static electric and magnetic fields
11:55	0:25	talk #8	Alexander	Solid targets for high repetition rate laser experiments
12:20	0:15	discussion		
12:35	1:00	lunch		
13:35	2:00	GA IFT tour		Tour of the GA's target fabrication facility
15:35				Workshop adjourned