

7th International High Energy Class Diode Pumped Solid State Lasers Workshop

Time	Session Title	First Name	Last Name	Talk Title	
9/11/2012					
9:15				Badging at Westgate	
10:00				NIF tour	
11:30				Travel to workshop site	
18:00				Dinner at Granlibakken	
19:30				Reception and badging for workshop	
9/12/2012					
8:00				Registration / Breakfast	
9:00	Welcome	Andy	Bayramian		
9:15	Introduction	Mike	Dunne		
9:30	Overview session	Paul	Mason	DiPOLE – An Efficient and Scalable HEC-DPSSL System	
10:00		Marco	Hornung	Status of the POLARIS laser system	
10:30		Mathias	Siebold	Current status of the Penelope project	
11:00		Junji	Kawanaka	Conceptual design of Sub-Exa-Watts OPCPA System - Gekko-EXA	
11:30		Sandro	Klingebliel	The Petawatt Field Synthesizer- towards high energy few-cycle pulses	
12:00					Lunch
13:30			Jean Christophe	Chanteloup	Lucia Laser chain updated status
14:00			Antonio	Lucianetti	HiLASE cryogenically cooled multi-slab amplifier prototype operating at 100J/10 Hz
14:30			Mike	Dunne	Status of the NIC on NIF and the path to inertial fusion energy
15:00			Andy	Bayramian	Progress towards a Compact Laser Driver for Laser Inertial Fusion Energy
15:30					Break
16:00	High power Diode Arrays	Paul	Crump	Cryolaser: Innovative cryogenic diode laser bars optimized for emerging ultra-high power laser applications	
16:30		Ryan	Feeler	Laser Diode Arrays for High-Energy Laser Systems	
17:00		Andreas	Kohl	Ultra High Brightness Laser Diode Arrays for Pumping of Solid State Lasers	
17:30		Manoj	Kanskar	High Efficiency kW-class QCW 88x nm Diode Laser Bars	
18:00				Dinner	
19:30				Reception	

Time	Session Title	First Name	Last Name	Talk Title	
9/13/2012					
7:30	Breakfast				
8:30	Laser Gain media	Markus	Löser	High-energy, Yb:LuAG and Yb:YAG active mirror amplifiers	
9:00		Ivan	Mukhin	High efficient cryogenic disk laser with sub-joule energy level and kilohertz repetition rate	
9:30		Viktor	Zelenogorskii	Investigation of spectroscopic properties and laser oscillation of oxides ceramics manufactured with SHS-MS method	
10:00		Break			
10:15		Al	Erlandson	Comparison of Nd:phosphate glass, Yb:YAG and Yb:S-FAP laser beamlines for laser inertial fusion energy	
10:45		Mikayel	Arzakantsyan	Gradually Doped and Large Diameter Yb ³⁺ Doped YAG Crystals for High Power Solid State Laser Applications	
11:15		Daniel	Albach	Comparison of large size Yb ³⁺ :YAG ceramics and crystals	
11:45		Lunch			
13:00	OPA/CPA development	Hiroaki	Furuse	1 J, 100 Hz GENBU-Front End Laser System with Multi-TRAMs	
13:30		Ryo	Yasuhara	Efficient second harmonic generation with pico-seconds pulses from a chirping TRAM regenerative amplifier	
14:00		Junji	Kawanaka	Ultra-Broadband Optical Parametric Chirped Pulse Amplification with partially deuterated KDP crystal	
14:30		Sebastian	Keppler	Multipass Amplifiers of POLARIS	
15:00	Break				
15:15	Architecture / Thermal Modeling	Paul	Mason	Design of a Multi-pass Extraction Architecture for the DiPOLE Prototype Amplifier	
15:45		Magdalena	Sawicka	Numerical evaluation of ASE, heat generation and energy extraction in a 100 J cryogenically cooled multi-slab amplifier operating at 10 Hz for HiLASE Project	
16:15		Hiroaki	Furuse	Thermal Analysis of Cryogenic Yb:YAG TRAM laser for High-Average Power Systems	
16:45		Jay	Doster	DPSS Amplifiers for High-Energy Applications	
17:15	Break				
17:30	Non linear optics	Takashi	Sekine	High energy class second harmonics generation from CLBO crystal by 20-J DPSSL	
18:00		Mark	Henesian	High average power frequency conversion	
18:30	Dinner				
20:00	Reception				

Time	Session Title	First Name	Last Name	Talk Title	
9/14/2012					
7:30	Breakfast				
8:30	Amplifier systems	Jörg	Körner	Cryogenically Cooled Laser Amplifiers	
9:00		Joachim	Hein	Diode Laser Pump Engines	
9:30		Break			
9:45		Thierry	Novo	Lucia cryogenic amplifier head concept and qualification	
10:15		Christoph	Wandt	Diode-pumped, active-mirror Yb:YAG imaging multi-pass amplification to the 1J-level	
10:45		Antoine	Courjaud	Tunable millijoule sources from nanosecond to femtosecond regime, based on Yb:CaF2	
11:15		Allan	Wirth	Advances in Wavefront Control for High Energy Laser Applications	
11:45	Robust Optics	Jeff	Bude	Improved optical performance for optical materials in high fluence applications	
12:15	Closing remarks	All			