

Date	Start	End	Session No.	Paper No.	Paper No.	Title	First Author
<b>25th April. Wed</b>							
<b>Plenary Session of OPIC 2018 &lt;Room 501+502&gt;</b>							
9:00-10:45	9:00	9:15		Opening			
	9:15	9:55		Invited	VCSELs in every car, every home and every mobile device		Joseph Pankert
	9:55	10:35		Invited	Diamond Electronics and Photonics: Application to Quantum Sensors		Mutsuko Hatano
10:35-10:50	<b>Break</b>						
10:50-12:10	10:50	11:30		Invited	Photoacoustic Tomography: Omniscale Imaging from Organelles to Patients by Ultrasonically Beating Optical Diffusion		Lihong V. Wang
	11:30	12:10		Invited	Experiments on laser plasma accelerators with the BELLA laser and exploring the path towards future applications		Wim Leemans
12:10-13:30	<b>Lunch</b>						
<b>Joint Session of LIC, PLD, SLPC &lt;Room 302&gt;</b>							
13:30-15:00	13:30	13:45	Joint-1	Opening remarks			
	13:45	14:15		SLPC5j-1	Invited	Ab-initio large-scale simulation for initial stage of laser damage in transparent nano-materials	Kazuhiro Yabana
	14:15	14:45		SLPC5j-2	Invited	High throughput surface texturing of embossing rollers with fs-laser and polygon line scanner in fully synchronized mode	Beat Jaeggi
	14:45	15:15		PLDj-1	Invited	Mechanisms of laser damage in optical components for PW-class laser systems	Stavros G Demos
15:15-15:45	<b>Break</b>						
15:45-17:15	15:45	16:15	Joint-2	PLDj-2	Invited	UV-induced aging leading to laser damage in the bulk of fused silica	Frank R Wagner
	16:15	16:45		LICj-1	Invited	Ultrafast laser direct writing of periodic nanostructure in bulk semiconductor crystals	Yasuhiko Shimotsuma
	16:45	17:15		LICj-2	Invited	One-Shot 3D Giant-Pulse Micro-Laser Processing by LCOS Direct Control	Yasuki Sakurai
	17:15			Session closing			
18:00-20:00	<b>OPIC Reception &lt;Ballroom, 3rd floor InterContinental Yokohama Grand&gt;</b>						

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<b>April 26, Thu</b>							
9:00-9:05	<b>Opening Remarks &lt;Room 302&gt;</b>						
	9:05	9:30	LIC1	LIC7-4	Invited	Expanding real world applications by ubiquitous power lasers based on giant micro-photonics	Yuji Sano
<b>Advanced ignition systems and applications (1) (Chair: Geoffrey Dearden, Univ. Liverpool, UK) &lt;Room 302&gt;</b>							
9:30-10:45	9:30	10:00	LIC1	LIC1-1	Invited	Laser Ignition of Quiescent and Flowing Methane/Air-Mixtures under Elevated Pressures Using a Passively Q-Switched Laser	Mark Baerwinkel
	10:00	10:15		LIC1-2		Influence of Ignition position of Internal Combustion Engine with Laser-induced Breakdown Ignition	Genki Momose
	10:15	10:30		LIC1-3		Experiments on laser cleaning of sooted optical windows	Kazuki Okada
	10:30	10:45		LIC1-4		Benchmark of a time and space resolved numerical energy transfer model for ns laser pulses at 1064 nm in gaseous propellants	Michael Boerner
10:45-11:00	<b>Break</b>						
<b>Advanced ignition systems and applications (2) (Chair: Jun Hayashi, Kyoto Univ., JPN) &lt;Room 302&gt;</b>							
11:00-12:00	11:00	11:30	LIC2	LIC2-1	Invited	Recent development of a sub-nanometer flattening using a non-uniform optical field	Takashi Yatsui
	11:30	11:45		LIC2-2		Investigation on increase of ignition probability by using laser induced ignition with burst pulse in aerospace engine	Yoshiki Matsuura
	11:45	12:00		LIC2-3		The aging properties of dichroic films used in laser ignition systems	Duo Tang
12:00-13:30	<b>Lunch</b>						

Advanced ignition systems and applications (3) (Chair: Takuma Endo, Hiroshima Univ., JPN) <Room 302>							
13:30-15:00	13:30	14:00	LIC3	LIC3-1	LIC3-1	Laser spark plug developments for engine ignition	Geoffrey Deardebn
	14:00	14:15		LIC3-2	LIC3-2	The influence of film structure on Al/PTEF multilayer laser ignition	Xiujuan Sun
	14:15	14:30		LIC3-3	LIC3-3	Laser ignitions for non-solvent ionic liquid propellant based on Ammonium dinitramide	Noboru Itouyama
	14:30	14:45		LIC3-4	LIC3-4	Direct initiation of detonation using laser ablation	Kazuhiro Ishii
	14:45	15:00		LIC3-5	LIC3-5	On the Performances of a 4-Cylinder Automobile Engine with Classical Spark Plug and Laser Ignition Systems	Adrian Birtas
15:30-16:00	Break						
Advanced applications of laser (1) (Chair: Nicolai Pavel, National Institute for Laser, Plasma and Radiation Physics - INFILPR, Rumania) <Room 302>							
15:30-17:00	15:30	16:00	LIC4	LIC4-1	Invited	Short pulsed laser ablation of fluorides and thin film deposition for ultraviolet optoelectronics	Shingo Ono
	16:00	16:30		LIC4-2	Invited	Effects of Laser Induced shock waves on droplets	J. Yi
	16:30	16:45		LIC4-3		Effects of high irradiation dose on a Nd:YAG/Cr:YAG microchip composite for remote laser-induced breakdown spectroscopy (LIBS)	Koji Tamura
16:45-17:00	Opening Remarks (Continued) <Room 302>						

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April 27, Fri							
Laser for ignition(1) (Chair; Yuji Oki, Kyushu Univ., JPN) <Room 302>							
9:00-10:30	9:00	9:30	LIC5	LIC5-1	Invited	The future prospects for transparent ceramics	Tomohisa Takemasa
	9:30	9:45		LIC5-2		First Hohraum-Capsule Integrated Implosion Experiments on the SGIII Facility	Fengjun Ge
	9:45	10:00		LIC5-3		Magneto-optical Q-switch laser using neodymium yttrium aluminum garnets	Ryohei Morimoto
	10:00	10:15		LIC5-4		Ignition Enhancement by Dual-Pulse Laser-Induced Spark	Lydia Wermer
	10:15	10:30		LIC5-5		High damage threshold semiconductor saturable absorber mirror for fiber and microchip lasers	Yan Wang
10:30-11:00	Break						
11:00-12:00	11:00	11:30	LIC5	LIC5-6	Invited	lens/window-fouling mitigation in laser ignited reciprocating engines	Sreenath Gupta
	11:30	11:45		LIC5-7		The study of tuning low-mode asymmetries for ignition capsule implosions	Jianfa Gu
	11:45	12:00		LIC5-8		Optical Fiber Coupling of High-Energy Density Pulsed Lasers for Laser Ignition	Wenzhi Qin
12:00-13:30	Lunch						
Poster Session <Room 302>							
13:00-14:30	13:00	14:30	LICp6	LICp6-1		A high-peak power passively Q-switched Nd:YAG/Cr4+:YAG compact laser with multiple-beam output	Nicolai Pavel
				LICp6-2		Development of high-brightness high-energy micro-MOPA	Vincent Yahia
				LICp6-3		Study on laser threshold of CuO/Al nanowires composite	Yao Wang
				LICp6-4		Laser ignition in compact engines: two-stroke and Wankel	Egor Y. Loktionov
				LICp6-5		Effect of discharge lengths on combustion characteristics in laser breakdown-assisted long-distance discharge ignition	Shun Sakamoto
				LICp6-6		Ultrafast shock evolution phenomena generated by laser ablation of Al-based metal films	Yuan Gao
				LICp6-7		Q-switched Laser Oscillation in Polycrystalline Yb:FAP Anisotropic Laser Ceramics	Yoichi Sato
				LICp6-8		Theoretical study on the mechanism of sub-ns giant-pulse laser induced air-breakdown due to cascade ionization	Hwan Hong Lim
				LICp6-9		Optimization of CW Operation in Distributed Face Cooling	Arvydas Kausas,
				LICp6-10		Single-crystal Intermediate Laser Coating (SILC) for High-Field Polycrystalline Ceramics Laser	Lihe Zheng
				LICp6-11		Development of Cr:YAG/Nd:YAG ceramics pulse laser chip	Y. Yamazaki
				LICp6-12		Analysis of the amplifier for PW/sr/cm2 class Micro-MOPA	Taisuke Kawasaki

Advanced applications of laser (2) (Chair: Takunori Taira, IMS, Japan) <Room 302>							
14:30-15:00	14:30	15:00	LIC7	LIC7-1	Invited	Ignition characteristics of laser breakdown and electrical sparks in lean quiescent and turbulent mixtures	Shinji Nakaya
15:00-15:30	Break						
15:30-16:30	15:30	15:45	LIC7	LIC7-2		Investigation on the influence of optical windows on laser ignition thresholds	Yong Li
	15:45	16:00		LIC7-3		LIBS System for Trace Impurity Detection in Semiconductor Manufacturing Process	Rakesh Bhandari
16:00-16:15	Closing Remarks <Room 302>						