

WEDNESDAY, 24 April 2024

9:00 - 10:30	SESSION TILA-LIC1: <b>Opening &amp; ATLA Project - 1</b>
	Chair: Takunori TAIRA, RIKEN SPring-8 Center, Hyogo, Japan
	9:00 - 9:30 TILA-LIC1-01: <b>Keynote by Presider; Takunori TAIRA, Introduction of ATLA Project "DFC-chip Tiny Integrated Laser</b>
	9:30 - 9:45 TILA-LIC1-02: Mitsuhiro YOSHIDA; Yb disk and DFC laser for intense THz generation
	9:45 - 10:00 TILA-LIC1-03: Kei Takeya; Dual wavelength generation using degenerated optical parametric system with multiplexed reflective VBG
10:00 - 10:30 TILA-LIC1-04: Hiroyuki TAKIGAMI; Commercial products associated to Micro Solid-State Photonics and Tiny Integrated Lasers	
10:30 - 11:00	COFFEE BREAK
11:00 - 12:00	SESSION TILA-LIC2: <b>TILA-LIC 2024 PLENARY SESSION</b>
	Chair Takunori TAIRA, RIKEN SPring-8 Center, Hyogo, Japan
	14:00 - 14:50 TILA-LIC2-01: Dieter HOFFMANN; TBD
12:00 - 13:00	LUNCH
13:00 - 14:15	SESSION TILA-LIC3: <b>Laser Ignition</b>
	Chair: Jun HAYASHI, Kyoto University, Japan
	13:00 - 13:30 TILA-LIC3-01(Invited): Gerhard Kroupa; Recent Applications of the Miniaturized HiPoLas Ignition System
	13:30 - 14:00 TILA-LIC3-02(Invited): Laurent ZIMMER; Laser Induced Ignition and Plasma Spectroscopy using 10 kHz Nd:YAG Lasers on Spray Facilities
	14:00 - 14:50 TILA-LIC3-03: Nicolae PAVEL; Pulse-burst mode laser ignition of H <sub>2</sub> /air mixtures by a single-beam passively Q-switched Nd:YAG/Cr <sup>4+</sup> :YAG laser
14:15 - 14:30	COFFEE BREAK
14:30 - 16:00	SESSION TILA-LIC4: <b>Laser Sources - 1</b>
	Chair: Nicolae PAVEL, INFLPR, Magurele, Romania
	14:30 - 15:00 TILA-LIC4-01(Invited): Qiang LI; Large core diameter crystal waveguide - a new device for high brightness solid-state lasers
	15:00 - 15:15 TILA-LIC4-02: Baptiste BRUNETEAU; High-brightness 480 nm laser for cold-atom-based quantum-computer
	15:15 - 15:30 TILA-LIC4-03: Rakesh BHANDARI; Output pulse control of CW-pumped Nd:YVO <sub>4</sub> /Cr:YAG microchip laser
15:30 - 16:00 TILA-LIC4-04(Invited): Fabian ROTERMUND; Ultrafast 1-micron waveguide laser and its noise and timing jitter characteristics	
16:15 - 18:45	<b>OPIC 2023 PLENARY SESSION</b>
END OF FIRST DAY	

THURSDAY, 25 April 2024

8:30 - 10:15	SESSION TILA-LIC5: <b>PLENARY SESSION &amp; TUTORIAL</b>
	Chair: Takunori TAIRA, RIKEN SPring-8 Center, Hyogo, Japan
	8:30 - 9:30 <b>TILA-LIC5-01: TILA-LIC 2024 PLENARY SESSION: Franz KÄRTNER; TBD</b>
	9:30 - 10:15 <b>TILA-LIC5-02: TILA-LIC 2024 TUTORIAL TALK: Thomas KANE; The Nonplanar Ring Oscillator at Forty</b>
10:15 - 10:45	COFFEE BREAK
10:45 - 12:00	SESSION TILA-LIC6: <b>Laser Materials &amp; Systems</b>
	Chair: Mariastefania DE VIDO, Science and Technology Facilities Council, Swindon, UK
	10:45 - 11:15 <b>TILA-LIC6-01(Invited): Xavier MATEOS; Materials for waveguide lasers in the visible</b>
	11:15 - 11:30 <b>TILA-LIC6-02: Xinchang WU; Room temperature direct bonding of Yb,Er:phosphate glass and Co:spinel crystal</b>
	11:30 - 12:00 <b>TILA-LIC6-03(Invited): Anna ONO-SUZUKI; Development of high-power ultrafast laser sources at 2.1 μm wavelength</b>
12:00 - 13:30	LUNCH
13:30 - 15:00	SESSION TILA-LICp: <b>POSTER session &amp; ATLA Project - 2</b>
	Hall A (Pacifico Yokohama Exhibition Hall)
	TILA-LICp-01: Vincent YAHIA; Multi-Joule pulses delivered by a gradually doped tiny integrated solid-state laser operated at room temperature
	TILA-LICp-02: Hideki ISHIZUKI; Characterization of crystal quartz for QPM-NLO device
	TILA-LICp-03: Gabriela CROITORU; Buried depressed-cladding waveguides inscribed in Nd:YAG ceramics by picosecond-laser beam writing
	TILA-LICp-04: Yoichi SATO; Thermal expansion coefficient of YAG ceramics adopted with various kinds of dopant-ions
	TILA-LICp-05: Akihiro OSANAI; Study of laser induced damage evaluation for crystals
15:00 - 15:30	COFFEE BREAK
15:30 - 17:00	SESSION TILA-LIC7: <b>Laser Sources - 2</b>
	Chair: Gerhard KROUPA, Silicon Austria Labs (SAL), Villach, Austria
	15:30 - 16:00 <b>TILA-LIC7-01(Invited): Young Uk JEONG; Development and prospects of compact terahertz free electron lasers</b>
	16:00 - 16:15 <b>TILA-LIC7-02: Tibor BEREZKI; Fiber-coupled high energy, low-cost Nd:YAG laser for ablative ignition applications</b>
	16:15 - 16:30 <b>TILA-LIC7-03: Dmitry TABAKAEV; Fiber beam delivery system for ns high-energy pulses</b>
	16:30 - 17:00 <b>TILA-LIC7-04(Invited): Ju Han LEE; Modeling of an Erbium-doped ZBLAN fiber laser including ion clustering</b>

FRIDAY, 26 April 2024

9:00 - 10:30	SESSION TILA-LIC8:	Bonding Technology & ATLA Project - 3
	Chair:	Hideki ISHIZUKI, RIKEN SPring-8 Center, Hyogo, Japan
	9:00 - 9:30	TILA-LIC8-01(Invited): Tadamoto SUGA; Surface Activated Bonding for 3D and Heterogenous Integration at Room Temperature
	9:30 - 9:45	TILA-LIC8-02: Arvydas KAUSAS; DFC PowerChip optical properties for J-class amplifier system
	9:45 - 10:00	TILA-LIC8-03: Toshiaki SUGIMOTO; Plasmon and electronic-resonance-free coherent Raman spectroscopy sensitive to ultra-thin interfacial layers
	10:00 - 10:15	TILA-LIC8-04: Yoichi SATO; Effective thermal conductivity of DFC gain media
	10:15 - 10:30	TILA-LIC8-05: Florent CASSOURET; Temperature distribution simulations in Cr:LISAF DFC chip for high power broadband tiny integrated laser in 800-950 nm range
10:30 - 11:00	COFFEE BREAK	
11:00 - 12:00	SESSION TILA-LIC9:	Laser Systems & ATLA Project - 4
	Chair:	Rakesh BHANDARI, Optoquest Co. Ltd., Saitama, Japan
	11:00 - 11:30	TILA-LIC9-01(Invited): Mariastefania DE VIDO; Demonstration of stable, long-term operation of a nanosecond diode-pumped solid state laser at 10 J, 100 Hz
	11:30 - 11:45	TILA-LIC9-02: Yun Feng WU / Zhigang ZHANG; Coherent stacking 128 ultrashort pulses to tens of mJ from fiber amplifiers
	11:45 - 12:00	TILA-LIC9-03: Hwan Hong LIM; 0.3 PW/(sr·cm <sup>2</sup> ) brightness unstable resonator microchip laser for multi-point ignition
12:00 - 13:30	LUNCH	
13:30 - 15:00	SESSION TILA-LIC10:	Laser Applications
	Chair:	Nicolae PAVEL, INFLEPR, Magurele, Romania
	13:30 - 14:00	TILA-LIC10-01(Invited): Ikuo WAKAIDA; "TILA" application in severe environments as a powerful tool for in-situ remote analysis of fuel debris in decommissioning of Fukushima Daiichi Nuclear Power Station
	14:00 - 14:15	TILA-LIC10-02: Tomokazu SANDO; Femtosecond Laser-Shock Processing: Fundamentals and Applications
	14:15 - 14:30	TILA-LIC10-03: Yuji SANO; Laser peening application of TILA for service life extension of metallic components
	14:30 - 14:45	TILA-LIC10-04: Yumi YAKIYAMA; Gold nanoparticle synthesis using a microchip laser system through pulsed laser ablation in aqueous and organic solution
	14:45 - 15:00	TILA-LIC10-05: Kazufumi NOMURA; Development of Dynamic Laser Ultrasonic System Mounted on Robot Arm Using Microchip Laser
15:00 - 15:30	COFFEE BREAK	
15:30 - 16:30	SESSION TILA-LIC11:	Laser Systems & ALTA Project - 5
	Chair:	Xavier MATEOS, University Rovira i Virgili, Tarragona, Spain
	15:30 - 16:00	TILA-LIC11-01(Invited): Jinwei ZHANG; High power mode-locked thin-disk laser oscillator
	16:00 - 16:15	TILA-LIC11-02: Hideho ODAKA; Two wavelength oscillation based on microchip laser architecture
	16:15 - 16:30	TILA-LIC11-03: Kenichi HIROSAWA; 200-mJ Compact Deep-UV Laser System Using DFC-Power Chip and Microchip Laser
16:30 - 17:00	TILA-LIC-CL: CLOSING REMARKS & Award Ceremony by Presider; Takunori TAIRA, RIKEN SPring-8 Center, Hyogo, Japan END OF THE CONFERENCE	