

Photonics Users Conference Unleash high power laser

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IXcampus, Saint-Germain en Laye, France

exail

An event sponsored by:



2BLightingTechnologies

AGENDA | 28 MAY 2024

08:30 a.m. Breakfast & registration

09:30 a.m. Welcome speech

HIGH ENERGY & DIRECTED ENERGY LASER SESSION

09:40 a.m. **Fiber laser and coherent combining technologies for directed energy laser systems** | ONERA | Pierre Bourdon

10:05 a.m. **Recent fiber laser results at the Optoelectronics Research Centre, University of Southampton** | The Optoelectronics Research Centre (ORC) | Johan Nilsson

10:30 a.m. **120kW optical phased array CBC laser and applications** | Civan Lasers | Eyal Shekel

10:50 a.m. **Recent advances toward high-power 2 μm CBC systems** | Fraunhofer IOSB | Clément Romano

11:10 a.m. **High power fiber lasers for beam combining** | Fraunhofer IOF | Friedrich Möller

11:30 a.m. Coffee break

11:55 a.m. **Recent progress on high-power 2 μm fiber lasers based on single-oscillator all-fibered architectures** | ISL | Anne Dhollande

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- 12:15 p.m. **Power scaling of 1 μm and 2 μm all-fiber amplifiers via phase modulation** | AFRL | Angel Flores
- 12:35 p.m. **Towards synthetic lasers utilizing fully monolithic fiber laser building blocks** | Optical Engines | Donald Sipes
- 12:55 p.m. **Trends in high energy short pulse lasers for scientific and societal applications** | Thales | Christophe Simon-Boisson
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01:15 p.m. Lunch break

SCIENTIFICS AND PULSED LASERS SESSION

- 02:30 p.m. **From scientific discovery to applications: high intensity laser facilities around the world** | LLNL | Félicie Albert
- 03:00 p.m. **Laser performance improvements at the national ignition facility** | LLNL | Larry Pelz
- 03:25 p.m. **Dedicated amplitude and phase electro-optical modulators for laser fusion** | Exail/CEA | Aurore Ecartot
- 03:45 p.m. **Fiber front ends for high energy laser at LULI2000** | LULI | Loïc Meignien
- 04:05 p.m. **DiPOLE technology: next steps & new applications** | STFC | Jacob Spear
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04:25 p.m. Coffee break

- 04:50 p.m. **High energy and high power laser development at HiLASE and applications** | HiLASE | Martin Divoky
- 05:10 p.m. **Nanosecond pulse source at the PHELIX high-energy / high-intensity laser facility** | GSI | Udo Eisenbarth
- 05:30 p.m. **High energy adjustable temporal pulse shape lasers** | EKSPILA | Jonas Kalenda
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05:50 p.m. **First demonstration of a 120J phase-conjugate mirror dedicated to self-correction of the wavefront for kJ-class and kW-class average power Lasers** | Amplitude | Stéphane Branly

06:10 p.m. Closing remarks

06:20 p.m. Happy hour & networking dinner

Please note that this first version of the agenda is subjected to changes.
A final version of the agenda will be shared at a later date.