Monday, September 10th

07:30-08:15	**Registration**	
08:15-08:30	Welcome address	Thomas Kühl
08:30-10:30	**New and upcoming laser facilities**	Chair: Terrance Kessler

- Petawatt Class Lasers – Current Status and Future Directions
  Colin Danson, AWE plc
- Short pulse, high peak power, high average power lasers of the ELI facilities
  Karoly Osvay, ELI-ALPS
- Recent Progress on the ultraintense ultrafast laser at SIOM
  Yuxin Leng, Shanghai Institute of Optics and Fine Mechanics

10:30-10:45	Coffee Break	
10:45-12:15	**QED/Laser-electron interactions**	Chair: Christopher Barty

- GeV Electron Acceleration and Strong Field QED Research with Multi-PW Laser
  Chang Hee Nam, GIST Korea
- Laser-electron scattering in the strongly nonlinear regime and the generation of high-order harmonics
  Sudeep Banerjee, University of Nebraska
- Experimental evidence of radiation reaction in the collision of a high-intensity laser pulse with a laser-wakefield accelerated electron beam
  Elias Gerstmayr, Imperial College London

12:30-14:00	Lunch break	
14:00-15:40	**Laser Wakefield Acceleration**	Chair: Felicie Albert

- Laser-plasma accelerator research at the BELLA Center
  Carl Schroeder, Lawrence Berkeley National Laboratory
- Feedback control of the spatio-temporal properties of high-intensity laser pulses to optimize x-ray and 100 MeV electron generation
  Daniel Symes, STFC Rutherford Appleton Laboratory
- Controlling relativistic electrons with radially polarized light
  Diego Guenot, Lund University
- Highest peak current electron beams from laser wakefield accelerators
  Arie Irman, Helmholtz-Zentrum Dresden-Rossendorf

15:40-16:00	Coffee break
16:00-18:00	Poster session 1
19:30	Barbecue dinner

Tuesday, September 11th

08:30-10:50 **Ti:sapphire-based laser systems** Chair: Catherine Le Blanc

- 339J chirped pulse amplifier in 10 PW SULF Laser
  Zebiao Gan, Shanghai Institute of Optics and Fine Mechanics
- Online diagnostics and long-term stability of the 200 TW ANGUS laser system
  Timo Eichner, University of Hamburg
- Status update and first commissioning results of the Apollon 10PW laser
  Dimitrios Papadopoulos, LULI/Ecole Polytechnique
- Towards high repetition rate ultra-intense lasers, latest developments at Amplitude Technologies
  Franck Falcoz, Amplitude
- ATLAS-3000, the multi-PW Ti:Sa laser at Garching as an electron and radiation source
  Stefan Karsch, MPI für Quantenoptik
- Operational Experience with the BELLA PW Laser Facility for Collaborative Research in Laser Plasma Science
  Csaba Toth, Lawrence Berkeley National Laboratory
- High Energy TiSa Amplifiers for Multi-PetaWatt Laser Systems
  Christophe Radier, Thales

10:50-11:05 Coffee Break

11:05-12:25 **UHI Lasers at other large scale instruments** Chair: D. Jaroszynski

- Ultra-High Intensity Lasers at Hard X-ray Free Electron Lasers
  Thomas Cowan, Helmholtz-Zentrum Dresden-Rossendorf
- LIGHT at GSI: Laser Ion Generation, Handling and Transport
  Abel Blazevic, GSI Darmstadt
- Probing vacuum birefringence in head-on collisions between 10 PW laser and 1 GeV gamma-rays at ELI-NP
  Yoshihide Nakamiya, IFIN-HH/ELI-NP

12:30-14:00 Lunch Break

14:00-16:00 Parallel Sessions

Gratings/Damage Chair: M. Nishiuchi

- High damage threshold optics in ultra-intense laser systems: State of the art and Next Gen Optics
  Enam Chowdhury, The Ohio State University
- Meter-Scale Pulse-compression Gratings for High Power Laser system in China
  Keqiang Qiu, University of Science and Technology China
- Meter-size 575x1015mm Gold-coated Gratings for 10PW-class lasers
  Arnaud Cotel, Horiba Scientific
- Pulse Compression Gratings in High Average Power Lasers
  Turan Erdogan, Plymouth Grating

Relativistic Laser plasma interactions Chair: T. Kühl

- Simulation of Fusion Reaction Of Ultra High Power Laser Accelerated Protons With Boron Nuclei
  Lotfia M. ElNadi, Cairo University
- Relativistic electron physics in ultrahigh intensity laser-solid interactions
  Ravindra Gattamraju, Tata Institute of Fundamental Research
- Ultra-intense laser produced mega-gauss magnetic fields at the rear side of thin targets
  Amit Lad, Tata Institute of Fundamental Research
- Highly relativistic ultrashort pulse laser interaction with ordered nanowire arrays: x-ray and neutron generation
  Jorge Rocca, Colorado State University

- Dynamic field distribution study inside a dispersive multilayer dielectric coating for improving ultrashort laser pulse damage threshold
  Seung-whan Bahk, University of Rochester
- Wavelength dependence in the relativistic interaction of ultrashort laser pulses with nanostructured solids
  Zhanna Samsonova, Friedrich Schiller University Jena
- Relativistic interaction between few-cycle laser pulses and overdense plasmas
  Neil Zaim, Laboratoire d'Optique Appliqée

16:00-16:20 Coffee break

16:20-19:00 **Parallel Sessions**

Components and targetry Chair: Lili Hu

- Plasma mirror on LFEX
  Yasunobu Arikawa, Osaka University
- A New Concept on Thermal-Lens-Free Solid State Laser: Heat Capacitive Active Mirror HACAM
  Ken-ichi Ueda, ILS/UEC-Tokyo
- 235mm-diameter Ti:sapphire for 10 PW ultrafast laser facility
  Yin Hang, Shanghai Institute of Optics and Fine Mechanics
- Large-size LBO crystal for Ultrahigh Intensity Laser
  Zhanggui Hu, Tianjin University of Technology
- Thin Disk -Slab Ti:Sa Amplifiers
  Vladimir Chvykov, ELI-ALPS
- Ultrafast Thin-Disk Amplifiers
  Knut Michel, Trumpf Scientific

Laser-driven ion beams Chair: M. Roth

- Relativistic Electron Streaming Instabilities Modulate Proton Beams accelerated in Laser-Plasma Interactions
  Christian Rödel, Helmholtz Institute Jena
- Time and spatially-resolved density measurement of Proton-heated Warm Dense Silica using Phase Contrast X-ray imaging
  Maxence Gauthier, SLAC National Accelerator Laboratory
- High Charge Ion Beams with Achromatic Divergence by a High Repetition Rate Petawatt Laser
  Sven Steinke, Lawrence Berkeley National Laboratory
- Off-harmonic optical probing of high intensity laser-matter interaction with a stand-alone probe laser system
  Constantin Bernert, Helmholtz-Zentrum Dresden-Rossendorf

Temporal Contrast I Chair: D. Papadopoulos

- Spatio-temporal characterization of the PW BELLA laser
  Wim Leemans, Lawrence Berkeley National Laboratory
- Single-shot high-dynamic temporal and spatio-temporal characterizations by self-referenced spectral interferometry
  Thomas Oksenhendler, iTEOX
- Exploring various spectral, temporal, and spatial pulse shaping techniques for high energy short pulse lasers
  Jens Schwarz, Sandia National Laboratories

19:30 Dinner

Wednesday, September 12th

08:30-10:30	**High-energy high-intensity lasers**	Chair: Qihua Zhu

- Accurate Performance Predictions of the Kilojoule Petawatt-class Advanced Radiographic Capability
  David Alessi, Lawrence Livermore National Laboratory
- PETAL laser performance on the first experimental campaigns
  Nathalie Blanchot, CEA-CESTA
- Hybrid OPCPA/Glass 10 PW laser at 1 shot a minute
  Erhard Gaul, National Energetics, Inc.
- LULI2000 Facility Overview and Status Update
  Loic Meignien, CNRS
- Upgrades to the Z-Petawatt Laser at Sandia National Laboratories
  Patrick Rambo, Sandia National Laboratories

10:30-10:45	Coffee Break	
10:45-12:45	**Temporal contrast II**	Chair: Vincent Bagnoud

- Generation of high-contrast few-cycle pulses via nonlinear ellipse rotation in a differentially pumped hollow-fiber
  Nikita Khodakovskiy, ELI-HU Non-Profit Ltd.
- Temporal prepulse generation in high-intensity CPA lasers from imperfect domain orientation in anisotropic crystals
  Josef Cupal, ELI Beamlines
- Pump induced contrast degradation in OPCPA systems
  Viktor Pajer, ELI-ALPS
- Pulse contrast enhancement via non-collinear sum-frequency generation of the signal and idler of an optical parametric amplifier
  Gilliss Dyer, SLAC National Accelerator Laboratory
- High dynamic range, large temporal domain laser pulse measurement
  Victor Schanz, TU Darmstadt
- Comparative study of pulse contrast evaluation techniques towards spatio-temporal beam analysis
  Stefan Bock, Helmholtz-Zentrum Dresden-Rossendorf

12:45-14:15	Lunch break	
14:15-16:25	**Nuclear photonics**	Chair: Jorge Rocca

- Plasma Bound Nuclear Reaction Studies Using High-Power Lasers
  Dieter Schneider, Lawrence Livermore National Laboratory
- Laser-monitored fusion-triggered liquid transmutator
  Toshiki Tajima, University of California at Irvine
- Laser-driven compact sources of epithermal and thermal neutrons
  Satyabrata Kar, Queen's University Belfast
- R&D of Laser Driven Neutron Sources and Applications in Japan
  Kunioki Mima, The Graduate School for the Creation of New Photonics Industries
- High-flux neutron generation from planar cryogenic deuterium jets
  Chandra Curry, SLAC National Accelerator Laboratory
- Recent developments and future applications for Laser-Driven Neutron Sources
  Markus Roth, TU Darmstadt

16:30-18:00	Coffee break and Poster session 2
18:00-19:30	Panel discussion
20:00	Conference Dinner

Thursday, September 13th

08:30-10:40	**High-average-power high-intensity lasers**	Chair: Joachim Hein

- Status and prospects for fiber-based high-intensity lasers
  Jens Limpert, Friedrich Schiller University Jena
- Demonstration of a kilowatt average power, 1 Joule short pulse laser
  Brendan Reagan, XUV Lasers, Inc./Colorado State University
- Relativistic-intensity near-single-cycle kHz laser driver
  Aline Vernier, Laboratoire d'Optique Appliquée
- 10 W CEP-stable few-cycle source at 2 um with 100 kHz repetition rate
  Marcel Neuhaus, Ludwig Maximilians University Munich
- XCAN: a highly scalable femtosecond coherent amplification network
  Anke Heilmann, Ecole Polytechnique, Université Paris-Saclay
- Current status and performance of the PENELOPE Laser System
  Markus Loeser, Helmholtz-Zentrum Dresden-Rossendorf

10:40-11:00	Coffee Break	
11:00-13:00	**Nonlinear amplifiers and OPCPA technology**	Chair: Jonathan Zuegel

- Designing an Efficient Raman Amplifier
  Dan Haberberger, Laboratory for Laser Energetics
- Overview of a multi-petawatt OPCPA laser facility in CAEP
  Kainan Zhou, Laser Fusion Research Center
- High-contrast, few-cycle pulses from picosecond-pumped OPCPA for relativistic laser-matter interaction
  Zsuzsanna Major, GSI Darmstadt
- 15 W, few-cycle and ultra-stable mid-IR OPCPA
  Nicolas Thiré, Fastlite
- Advances in Extreme Light Compression
  Jonathan Wheeler, Ecole Polytechnique

13:00-14:30	Lunch break
14:30-22:00	**Excursion**

Friday, September 14th

08:30-10:10	**Attoscience and EUV sources**	Chair: Jens Limpert

- Recent progress on laser-driven soft x-ray lasers
  Stephane Sebban, Laboratoire d'Optique Appliquée
- Towards isolated high energy attosecond pulses from relativistic high harmonics generation
  Vyacheslav Leshchenko, Ludwig-Maximilians University Munich
- From quantum-optical XUV spectrometry to ultrafast nonlinear XUV optics
  Paraskevas Tzallas, ELI-ALPS
- Helicity in a twist: full polarization and vortex control of EUV harmonics and attosecond pulses using light spin-orbital momentum coupling
  Carlos Hernandez-Garcia, University of Salamanca

10:10-10:30	Coffee Break	
10:30-11:50	**Beam Quality**	Chair: Christopher Hooker

- Characterization of beam-quality of J-KAREN-P laser facility at QST
  Hiromitsu Kiriyama, National Institutes for Quantum and Radiological Science and Technology
- Wavefront Degradation of a 200 TW Laser from Heat-Induced Deformation of In-Vacuum Compressor Gratings
  Vincent Leroux, University of Hamburg
- Spatio-Temporal Characterization of Pump-Induced Wavefront Aberrations in Yb-Doped Materials
  Issa Tamer, Helmholtz-Institute Jena
- High vacuum compatible wave front sensor for focal spot diagnostics and optimization
  Ivan Doudet, Phasics S.A.

11:50-13:10	**LWFA driven light sources and applications**	Chair: Csaba Toth

- Development and applications of light sources driven by laser-wakefield acceleration with picosecond lasers
  Felicie Albert, Lawrence Livermore National Laboratory
- Warm Dense Matter probed at femtosecond resolution by Betatron X-rays
  Benoit Mahieu, Laboratoire d'Optique Appliquée
- Laser-Plasma Driven Water-Window Undulator Radiation
  Andreas Maier, Hamburg University
- Advanced electron and X-ray sources using laser wakefield acceleration
  Andreas Döpp, Ludwig Maximilians University Munich

13:10-14:30	**Closing Remark and Lunch**