

## Chiyoee Yamanaka Award

Updated 2019 July 26

The IFSA student prize, which was given in the past IFSAs, has been changed to the Chiyoee Yamanaka Award for young scientists including students according to discussions between co-chairs. The Yamanaka award is sponsored by the IFE Forum.

1. Scientists within 5 years after getting Ph. D. and student can be self-nominated to this award in the presentation submission phase.
2. **All the nominated authors are requested to present their poster even if their papers are allocated to orals. Namely, some of the nominated authors, which are highlighted with sky blue background, must show both oral and poster in the IFSA conference.**
3. The special booth will be prepared in the poster session room. In this special booth, **the nominated authors must display their posters from Monday to Thursday. A core day for each poster, on which the authors must stand beside their posters during the poster session, is shown in the table.**
4. The nomination will be canceled automatically if the nominated author does not appear the poster session in the core time.
5. All regular member can recommend 3 candidates to the committee through a website. The website will be announced on site.
6. Yamanaka award committee member will select 6 winners with the consideration of the vote.
7. The winners will be announced in the banquet.

Table of authors nominated to the Yamanaka Award, sorted with presentation ID (If you don't find your name in the list, please let me know!)

Core Day	Presentation ID	Presentation Type	Title	Presenter	Affiliation	Country
Monday	2A07	Oral & Poster	Statistically Guided Design of Direct-Drive Inertial Confinement Fusion Experiments	Varchas Gopaldaswamy	University of Rochester	USA
Tuesday	2A13	Oral & Poster	Diagnosing Hot Electrons in the Shock Ignition Regime	Matthew Khan	University of York	UK
Tuesday	2C03	Oral & Poster	Over 1kJ/cm <sup>2</sup> Damage Threshold Diffracted Optics for High Energy Laser System	Yurina Michine	University of Electro-Communications	Japan
Tuesday	2C06	Oral & Poster	Categorization and Correlations of MagLIF Stagnation Morphology to Performance	Thomas Moore	Sandia National Laboratories	USA
Monday	2P10	Poster	Target Area Design of a Laser Facility with Dual Target Chambers	Lei Ren	Shanghai Institute of Optics and Fine Mechanics, CAS	China
Monday	2P20	Poster	Development Ultra-Wideband Frequency Domain Noncollinear Optical Parametric amplification	Jumpei Ogino	Institute of Laser Engineering, Osaka University	Japan
Monday	2P22	Poster	Improvement of Reflected Wavefront by Sic Ceramics Mirror with High thermal Conductivity	Yasuhiro Miyasaka	National Institutes for Quantum and Radiological Science and Technology	Japan
Monday	2P26	Poster	Fuel Pellet injection into Heavy-Ion Inertial Fusion Reactor	Hiroki Nakamura	Utsunomiya University	Japan

<b>Monday</b>	2P27	Poster	Development of Fuel Target Implosion Simulation System in Heavy Ion Inertial Confinement Fusion	Ken Uchibori	Utsunomiya University	Japan
<b>Monday</b>	2P38	Poster	Research on the Parameter Spaces of Laser Indirect-Drive Inertial Fusion with Scaling Laws	Chen Yang	Graduate School of China Academy of Engineering Physics	China
<b>Monday</b>	2P41	Poster	Implosion Performance of Subscale Beryllium Capsules on the NIF	Alex Zylstra	Lawrence Livermore National Laboratory	USA
<b>Monday</b>	2P44	Poster	First Exploration of Radiation Temperatures of the Laser Spot, Re-Emitting Wall and Entire Hohlraum Drive Source	Kuan Ren	Research Center of Laser Fusion, China Academy of Engineering Physics	China
<b>Monday</b>	2P45	Poster	Creating Fast Rises in Hohlraum Temperature with X-Ray Burn-Through Barriers	William Trickey	University of York	UK
<b>Monday</b>	2P58	Poster	Control of Intense-Laser Ion Acceleration	Takumi Nishiura	Utsunomiya University	Japan
<b>Monday</b>	2P60	Poster	Generation of Quasimonoenergetic Protons with Nanostructured Targets	Minoru Okadea	ILE.Osaka University	Japan
<b>Monday</b>	2P63	Poster	Laser Ion Acceleration by Irradiating Large-Area Suspended Graphene with Femtosecond Pulse Laser	Takumi Minami	Graduate School of Engineering, Osaka University	Japan
<b>Monday</b>	2P64	Poster	Laser-Driven Acceleration of Collimated Ion Beams via Double Layer Target with Interface Modulations	Martin Matys	Institute of Physics of the ASCR, ELI-Beamlines project	Czech Republic
<b>Monday</b>	2P66	Poster	Effect of Plasma Density Gradient Fast Electrons Produced by Laser Wakefield Acceleration	Yoshiaki Hayashi	Osaka University	Japan
<b>Monday</b>	2P67	Poster	High Efficiency fast Neutron Generation from Photonuclear Reactions driven by Laser Plasma Accelerator	Jie Feng	Institute of Physics CAS	China
<b>Monday</b>	2P70	Poster	Observation of MeV-Energy Ions from the Interaction of Over Picosecond Laser Pulses with Near-Critical Density Foam Targets	Satoru Shokita	Institute of Laser Engineering, Osaka University	Japan
<b>Monday</b>	2P72	Poster	Enhanced Proton Acceleration Generated via Spherical Symmetry Breakdown During Microbubble Implosion	Myles Allen Hermoso Zosa	Osaka University	Japan
<b>Monday</b>	2P72	Poster	Near-Critical Density Plasmas from Supersonic Gas Jets for Enhanced Ion Acceleration by Ultra-intense Laser Interaction	Carlos Salgado	C.L.P.U. (Centro de Láseres Pulsados), Salamanca, Spain	Spain
<b>Monday</b>	2P73	Poster	Experimental Approach for Ion Stopping Power Measurements in a Warm Dense Plasma at High Repetition Rate	Sophia Malko	Centro de Laseres Pulsados (CLPU)	Spain
<b>Monday</b>	2P76	Poster	Laser-Driven Ion Acceleration Using Sub-Picosecond intense Laser Pulses and Nano-Thin Solid Targets	Leonard Nikolas Konstantin Doehl	Dept. of Phys., Univ. of York	UK
<b>Monday</b>	2P77	Poster	Effects of Radiations in Kev-Solid Density Plasma formation with Petawatt Laser	Kaoru Sugimoto	THR group, Institute of Laser Engineering, Osaka University	Japan
<b>Monday</b>	2P78	Poster	Comprehensive Understanding of Mechanism of Laser-Produced Magnetic Field Generation	Ryunosuke Takizawa	Osaka University	Japan
<b>Monday</b>	2P81	Poster	Application of Laser-Driven Strong Magnetic Field to Proton Acceleration via Target Normal Sheath Acceleration	Hiroki Morita	Institute of Laser Engineering, Osaka University	Japan
<b>Monday</b>	2P82	Poster	Isochoric Heating of Solid over keV Temperature with Heat Waves Driven by Relativistic Picosecond Laser	Naoki Higashi	Department of Physics, Graduate School of Science, Osaka University	Japan
<b>Monday</b>	2P84	Poster	Single-Shot Frequency-Resolved Optical Gating for Characterizing the Instantaneous intensity and Phase of the LFEX Laser Pulse	Sadaoki Kojima	Advanced Research Center for Beam Science, Institute for Chemical Research, Kyoto University	Japan

<b>Monday</b>	2P85	Poster	Coulomb Explosion of Ultrathin Foils	Diya Pan	Osaka University	Japan
<b>Monday</b>	3A07	Oral & Poster	A Novel Three-Axis Cylindrical Hohlräum Designed for Inertial Confinement Fusion	Hang Li	Laser Fusion Research Center, China Academy of Engineering Physics	China
<b>Monday</b>	3C10	Oral & Poster	Physics of the Laser Driven Chromatic Focusing and Its Experimental Validation on LULI 2000 Facility	Julien G. Moreau	CEA-CESTA, Le Barp F-33114	France
<b>Tuesday</b>	3P06	Poster	Observation of Ultra-High Energy Density State with X-Ray Free Electron Laser SACLA	Yuto Maeda	Institute of Laser Engineering, Osaka University	Japan
<b>Tuesday</b>	3P08	Poster	Construction of Multi-Dimensional High-Speed Imaging System Using Streak Camera and Image Compression Method	Shinichiro Nagai	Nagaoka University of Technology	Japan
<b>Tuesday</b>	3P13	Poster	High-Resolution X-Ray Imaging of High-intensity Sources	Jonathan Motye Wengrowicz	Soreq NRC	Israel
<b>Tuesday</b>	3P16	Poster	Automated Inertial Confinement Fusion Experiment Design	Peter William Hatfield	University of Oxford	UK
<b>Tuesday</b>	3P18	Poster	Post-Shot 2d Simulations of OMEGA DD Gas Filled Experiments with the Odin Radiation-Hydrodynamics Code	Duncan Barlow	Warwick University	UK
<b>Tuesday</b>	3P39	Poster	Power-Law Electron Population Observed in Laser-Driven Magnetic Reconnection Experiment Under Relativistic Magnetization	King Fai Farley Law	ILE, Osaka Univ.	Japan
<b>Tuesday</b>	3P41	Poster	Microscopic Plasma Diagnostics Using Collective Thomson Scattering in Non-Equilibrium Laser Produced Plasmas Relevant to Magnetic Reconnection	Kentaro Sakai	Osaka University	Japan
<b>Tuesday</b>	3P42	Poster	Full Particle-in-Cell Simulation for the Analysis of Plasma Detachment in a Dipole Magnetic Field	Tomihiko Kojima	Kyushu University	Japan
<b>Tuesday</b>	3P47	Poster	Dependence of Particle Acceleration on Particle Mass Due to Interaction of One-Dimensional Fast Plasma Flow with Perpendicular Magnetic Field	Taichi Takezaki	National Institute of Technology, Kitakyushu College	Japan
<b>Tuesday</b>	3P48	Poster	Magnetic Reconnection of Strong Field Generated by Capacitor-Coil Target	Shunsuke Egashira	Osaka University	Japan
<b>Tuesday</b>	3P50	Poster	Laboratory Formation of Bipolar Jets Due to Poloidal Magnetic Fields without Toroidal Magnetic Fields	Baojun Zhu	Institute of Physics	China
<b>Tuesday</b>	3P57	Poster	Population Kinetic Calculation on Spectral Opacity of Solid-Density Gold Plasmas	Min Sang Cho	Gwangju Institute of Science and Technology	Korea
<b>Tuesday</b>	3P60	Poster	Dependence of Radius on Liquid-Metal as a Load for Repeatable Applications of Pulsed-power Discharge	Ryota Mabe	Nagaoka University of Technology	Japan
<b>Tuesday</b>	3P61	Poster	Observation of Water-Window Soft X-Ray Emission from Laser-Produced Au Plasma Under Vacuum at Various Laser Parameters	Christian John	Graduate School of Engineering, Hiroshima University	Japan
<b>Tuesday</b>	3P73	Poster	Efficient Synchrotron X-Ray Radiation Generation in Near-Critical Density Plasma with Petawatt Laser Pulse	Yifei Li	Institute of physics, Chinese Academy of Sciences	China
<b>Tuesday</b>	3P74	Poster	Laser Driven Ultra-compact Undulator for Synchrotron Radiation	Junhao Tan	Institute of Physics, Chinese Academy of Sciences	China
<b>Monday</b>	4C03	Oral & Poster	Observation of the Multiple Directed Ion Acceleration During Experiment on Magnetic Reconnection induced by Relativistic Laser Pulses	Daniil Golovin	Institute of Laser Engineering, Osaka University	Japan
<b>Thursday</b>	5A06	Oral & Poster	Resolving Fine-Scale Structures of Late-Time Rayleigh-Taylor Instability Growth on the National Ignition Facility	Adrianna Marie Angulo	University of Michigan	USA
<b>Thursday</b>	5A08	Oral & Poster	Experimental Study for Characterizing the Effect of a Strong Magnetic Field to Interfacial Instability	Kazuki Matsuo	Institute of Laser Engineering, Osaka University	Japan

<b>Thursday</b>	5A13	Oral & Poster	Demonstration of Hydrodynamically Equivalent Cylindrical Implosions at OMEGA and the National Ignition Facility	Joshua Paul Sauppe	Los Alamos National Laboratory	USA
<b>Monday</b>	5B01	Oral & Poster	Gamma-Photon Emission from Schwinger Pair Production in the Presence of Ultrashort and Ultraintense Laser Pulses	Chitradip Banerjee	Raja Ramanna Centre for Advanced Technology	India
<b>Tuesday</b>	5B07	Oral & Poster	Developing a High-intensity Capability for MeV Photon Radiography on NIF-ARC	Jackson Williams	Lawrence Livermore National Laboratory, Livermore, California 94550	USA
<b>Tuesday</b>	5B08	Oral & Poster	Demonstration of Fast Neutron Radiography Using Laser-Driven Neutron Sources	Yuki Abe	Institute of Laser Engineering, Osaka University	Japan
<b>Thursday</b>	5C04	Oral & Poster	Morphology and Surface Roughness on Growth Condition of Diamond Capsule for Direct-Drive Inertial Confinement Fusion	Toshihiro Iwasaki	Institute of Laser Engineering, Osaka University	Japan
<b>Thursday</b>	5C09	Oral & Poster	Proof-of-Principle Laser-Driven Cold Neutron Beam	Seyed Reza Mirfayzi	Institute of Laser Engineering, Osaka University	Japan
<b>Thursday</b>	5C10	Oral & Poster	Fusion Reactions in Laser-Driven Beam-Plasma Interactions	Yihang Zhang	Beijing National Laboratory for Condensed Matter Physics, Institute of Physics, Chinese Academy of Sciences	China
<b>Thursday</b>	5P02	Poster	Inflationary Stimulated Raman Scattering (ISRS) in inhomogeneous Plasmas	Alexander Seaton	University of Warwick	UK
<b>Thursday</b>	5P07	Poster	Smoothing by Spectral Dispersion with Spectral Distribution	Maxime DULUC	CEA CESTA	France
<b>Thursday</b>	5P20	Poster	Progress on Weakly Nonlinear Hydrodynamic Instabilities in Spherical Geometry	L. F. Wang	Institute of Applied Physics and Computational Mathematics	China
<b>Thursday</b>	5P28	Poster	The Effect of Self-Generated Magnetic Fields on the Ablative Rayleigh-Taylor Instability Dynamics	Fernando Garcia-Rubio	Laboratory For Laser Energetics, University of Rochester	USA
<b>Thursday</b>	5P30	Poster	The Odin Code: an arbitrary Lagrangian Eulerian Code for Modeling and Designing Laser-Plasma Experiments	Tom Goffrey	Centre for Fusion Space and Astrophysics, University of Warwick	UK
<b>Thursday</b>	5P31	Poster	Improvement of Laser Absorption Simulation by Ray Tracing Method in Laser Fusion	Takashi Otsu	Nagoya University	Japan
<b>Thursday</b>	5P37	Poster	Hybrid Numerical Simulation of Turbulent Mixing Between Active and Passive Media	Andrey Mikulin	Center for Fundamental and Applied Research, Dukhov Research Institute of Automatics (VNIIA)	Russia
<b>Thursday</b>	5P39	Poster	Effects of Laser-Drive asymmetry on Hot-Spot Flow Dynamics and Implosion Performance on the NIF	David Schlossberg	Lawrence Livermore National Laboratory	USA
<b>Thursday</b>	5P47	Poster	Structuring of Low Density Hydrocarbon Polymer to 10 Nm Scale for Laser Plasma Quantum Beam Source	Soma Nomura	Tokyo Institute of Technology	Japan
<b>Thursday</b>	5P55	Poster	Statistical Acceleration of Protons in Terms of Micro-Bubble Implosion	Akito Inoue	Osaka University Laser Science Institute	Japan
<b>Thursday</b>	5P62	Poster	Optical Measurements of Shock-Compressed Diamond Up to 500 GPa	Kento Katagiri	Graduate School of Engineering, Osaka University	Japan
<b>Thursday</b>	5P63	Poster	Ruby Probe Measurement for Equation of State and Transport Property of Warm Dense Matter Generated by Isochoric Pulsed-Power Discharge	Shingo Kusano	Nagaoka University of Technology	Japan
<b>Thursday</b>	5P65	Poster	Laser Shock Compression of Matters Under Strong Magnetic Field	Nobuki Kamimura	Graduate School of Engineering, Osaka University	Japan

<b>Thursday</b>	5P66	Poster	Equation of State Measurements of Magnesium Hydride in Ultrahigh Pressure Using High Intensity Laser	Shintaro Morioka	Graduate. School of engineering, Osaka University	Japan
<b>Thursday</b>	5P67	Poster	In-Situ Measurement of Calcite Under Meteorite Collision Condition	Keiya FUKUI	Graduate School of Engineering, Osaka University	Japan
<b>Thursday</b>	5P68	Poster	Hugoniot Data of MgSiO <sub>3</sub> under the Planetary Impact Conditions	Yuhei Umeda	Graduate School of Engineering, Osaka University	Japan
<b>Thursday</b>	5P70	Poster	Shock Compression of Diamond Targets up to 4 Mbar	Donald Mancelli	Université de Bordeaux, CNRS, CEA, CELIA, Talence, France	France
<b>Thursday</b>	5P72	Poster	Simulation of Laser-Driven Neutrons for Stellar Interior Neutrons Reproduction with Moderators and Multipliers	Takato MORI	Institute of Laser Engineering, Osaka University	Japan
<b>Thursday</b>	5P74	Poster	Efficient Ion Acceleration Using Two-Layer Thin Film Target for Picosecond Petawatt Laser-Driven Neutron Source	Yuki Honoki	Institute of Laser Engineering, Osaka University	Japan
<b>Thursday</b>	5P76	Poster	Development of the High Sensitivity Fast Neutron Imager with avalanche Optical amplifier Panel	Ryosuke Mizutani	Institute of laser engineering, Osaka Univ.	Japan
<b>Thursday</b>	5P79	Poster	Compact Neutron Source via DD and p <sup>11</sup> B Fusion Reactions by Microbubble Implosion	Takaharu Onishi	Osaka University	Japan
<b>Monday</b>	6A09	Oral & Poster	Three-Dimensional Density Reconstruction of Inertial Fusion Fuel at the National Ignition Facility	Verena Geppert-Kleinrath	Los Alamos National Laboratory	USA
<b>Monday</b>	6A10	Oral & Poster	High-Bandwidth Fusion Burn Histories for Inertial Confinement Fusion Using the New Pulse Dilation - PMT	Hermann Geppert-Kleinrath	Los Alamos National Laboratory	USA
<b>Tuesday</b>	6A12	Oral & Poster	Knock-on Deuteron Imaging of the Hot-Spot and Fuel pR Symmetry in Directly Driven Inertial Confinement Fusion Implosions	Hans George Rinderknecht	Laboratory for Laser Energetics, University of Rochester	USA
<b>Thursday</b>	6B08	Oral & Poster	X-Ray Imaging of an Expanding Titanium Wire Heated by Laser-Generated Fast Electrons	Francesco Barbato	University of Bordeaux, CNRS, CEA, CELIA	France
<b>Monday</b>	6C03	Oral & Poster	Dynamics of a Collisionless Plasma Boundary Layer Created by the Explosion of a Laser-Irradiated Dense Object in an ambient Dilute Gas	Ryutaro Matsui	Kyoto university	Japan