

# The 19<sup>th</sup> International Conference on Precision Engineering

## ICPE 2022 in Nara, Instruction of Poster presentation

The poster presentation will be held on the afternoon of 29<sup>th</sup> November. In this poster presentation, an author who will be presenting as speakers will make poster presentations of the same topic as their submitted manuscripts. Excellent poster presentation will be awarded.

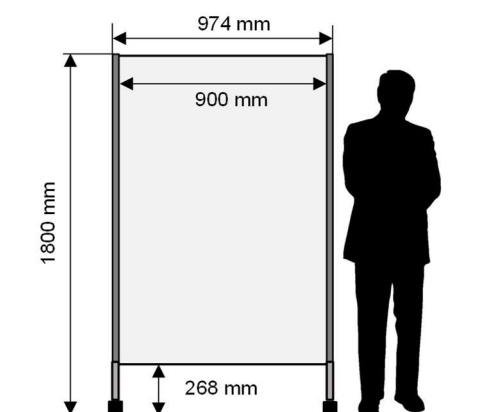
### [Date & Time & Place]:

29<sup>th</sup> November (Tue.), 14:30-15:30 JST: Poster presentation @ Hall C

30<sup>th</sup> November (Wed.) Banquet : Award Ceremony @ Hotel Nikko Nara

### [Poster preparation]:

The poster must include the poster number, title, and co-author's name. The size of exhibition panel is shown in the right figure. A0 size poster is recommended.



### [Posting of posters]:

Posters must be posted on the panel corresponding to the poster number in morning on November 29<sup>th</sup>. Please check your poster number from the poster list in the following page. Note that only thumbtack can be used to stick the poster to the panel (tape is not allowed).

### [Awarding]:

Limited number of poster presentations will be awarded based on poster quality and communication with reviewers. Poster presentations will be conducted on November 29<sup>th</sup> from 14:30 – 15:30 JST in Hall C (Please check the conference program). Please do not leave your poster place during this time. The emphasis in poster presentations will be on providing a concise and precise overview of your presentation in 2-3 minutes. An awarding ceremony will be held in the banquet on 30<sup>th</sup> November.

[Contact]: ICPE2022 Conference Committee: [info-icpe2022@t.kyoto-u.ac.jp](mailto:info-icpe2022@t.kyoto-u.ac.jp)

**[Poster presentation list]:**

Poster ID	Title	Authors
P-1	Cutting characteristics of the poly-crystal pure magnesium of which grain refined by the equal channel angular pressing	Yuyuan DING, Xianghao PAN, Takenori ONO
P-2	Effect of the cutting conditions on surface defects in end-milling of UD-CFRP	Takeshi Hashimoto, Tetsuo Samukawa
P-3	Investigation on the material removal process in laser in-situ assisted diamond cutting of reaction-bonded silicon carbide	Yufan Fu, Jianguo Zhang, Xiao Chen, Guoqing Xu, Yongjing Yu, Jianfeng Xu
P-4	Improvement of edge surface flatness of silicon wafer during polishing	Urara Satake, Toshiyuki Enomoto
P-5	Evaluation of hydration layer on the glass surface formed by Fine-Bubble CMP	Sota Mochizuki, Seiichi Suda
P-6	Highly efficient polishing of GaN substrates by direct UV irradiation assist	Tomoki Kanaeda, Shinsuke Matsui, Eiichi Yamamoto, Toshiyasu Yajima, Daisuke Ninomiya
P-7	Fabrication of Micro Pin Array Using Eccentric Tools	Ui-Seok Lee, Chan-Young Yang, Ju-Hyeon Lee, Dae-Bo Sim, Bo-Hyun Kim
P-8	Study on chatter vibration suppression of pipe frame machine tools	Okitoshi Shibata, Akio Hayashi, Yoshitaka Morimoto
P-9	Effect of polishing on the wear of cermet and cBN cutting tools edge	Kei Nagaya, Hiroshi Tanaka, Yoshitugu Kawase, Yoichi Akagami
P-10	Characterization of high-speed polishing system with small rectangular pads by quantification of material-removal amount and comparison with simulation	Shinsuke Matsui, Kouta Hiroshima, Atsunobu Une
P-11	Online Laboratory Course on Feedback Control of DC Motor by Web-based Operation	Katsushi Furutani
P-12	Fundamental study on optical detection of silica nano-particle on an inclined substrate surface with dark-field microscopy	Shotaro KUTOMI, Panart KHAJORNRUNGRUANG, Daiki GOTO
P-13	First-principles electronic structure calculation for analyzation of crystallographic damage states in Raman spectral data	Junnosuke Kuroda, Teppei Onuki, Kazuki Kaneko, Hirota Ojima, Jun Shimizu, Libo Zhou
P-14	Sub-100nm height measurement of a nanoparticle position from surface based on optical interferometry and evanescent field	Daiki GOTO, Panart KHAJORNRUNGRUANG, Aran BLATTNER, Shotaro KUTOMI
P-15	Personally Adapted Human Body Model Generation Based on 3D Body Scanning, Mesh Morphing, and Statistical Shape Model	Ayane Sotome, Satoshi Kanai, Hiroaki Date, Yui Endo
P-16	Deposition of W-C films by dual source dc magnetron sputtering	Shozo Inoue, Naoto Morikawa, Akira Heya, Takahiro Namazu
P-17	Improving the efficiency of polymer electrolyte fuel cell electrode catalyst using chemically-adsorbed monolayers	Atsuki Nakayama, Yoshihumi Suzuki, Kazahumi Ogawa
P-18	Joining of magnesium alloy with pure titanium foil by shot peening	Kenta Sugihara, Yasunori Harada, Ippei Tanaka
P-19	Fabrication of silicon nanoparticles films covered with a chemically adsorbed monolayer having reactive epoxy groups for the solar cells	Takuma Ishikawa, Atsuki NAKAYAMA, Kazufumi OGAWA, Yoshifumi SUZAKI
P-20	Microfabrication technology applicable to three-dimensional surfaces by masking process and micro slurry-jet process	Yutaro Doi, Ryota Tashiro, Yuta Nakashima, Yoshitaka Nakanishi
P-21	Evaluation of machining characteristics by Atomic-force-microscopy scratching	Taichi Isono, Shinsuke Matsui, Norihiro Torii
P-22	A novel method for 2D eyelid pressure measurement using spherical sucrose lenses	Yuta Mori, Takeshi Hatsuzawa
P-23	Evaluation of influence of Shape of a Pair of Half-divided microneedle Mimicking Mosquito on Minimally Invasive Puncture Characteristics	Masaya Imanishi, Masato Suzuki, Atsushi Ueda, Yuki Okumura, Tomokazu Takahashi, Seiji Aoyagi
P-24	Development of a System to Monitor Dementia Patients in a Hospital Using Depth Sensor	Mikio FUJIO, Nobuhide ITO
P-25	Simulation of microneedle puncture by nonlinear Finite Element Analysis	Akira Mizutsu, Shunki Yamamoto, Tomokazu Takahashi, Suzuki Masato, Seiji Aoyagi, Toshio Nagashima, Makoto Chiyonobu
P-26	Vibration Velocity Control for Ultrasonic Dental Scaler Tip	Masaya Takasaki, Furma Suzuki, Yuji Ishino, Takeshi Mizuno
P-27	Stabilizing the flow of microchannels by adding micro textures	Akira KAKUTA, Yuki MURAI