MEMS Infinity's New Design Challenge to Stimulate Commercialization of MEMS

-- Challenge winner earns free foundry services; announced at PiezoMEMS 2025

AMAGASAKI, HYOGO, Japan — February 18, 2025 — MEMS Infinity, the commercial microelectromechanical systems (MEMS) foundry division of Sumitomo Precision Products Co., Ltd. (SPP), today announced its MEMS Infinity Challenge, a global MEMS design competition that will recognize the most visionary and commercially viable submissions at PiezoMEMS 2025, a prestigious international workshop held November 3-5, 2025 in Himeji, Japan.

A panel of judges from industry and academia — which will conduct a rigorous evaluation process of all submissions prior to the workshop — will announce the top three designs during an awards ceremony at PiezoMEMS 2025. The first-place contestant will earn foundry services at MEMS Infinity, a 150mm and 200mm wafer foundry that supports the entire design-to-production process of mid- to high-volume MEMS devices. The second- and third-place competitors will secure free poly-PZT deposition services or DRIE processing services at MEMS Infinity's foundry.

"The steady growth of MEMS devices, which are the essential micro-components of billions of intelligent products on which everyday life depends, requires experienced design and production partners such as MEMS Infinity," said Mr. Tsuyoshi Takemoto, General Manager, MEMS Infinity. "The MEMS Infinity Challenge allows us to directly encourage this growth, by supporting enterprising design engineers with exceptional ideas. We are equally delighted to collaborate with an esteemed panel of academic judges, including Co-general Chair of PiezoMEMS 2025 Professor Kanda, in choosing the winners of the Challenge."

Members of the first-round selection committee include a team of senior technologists from MEMS Infinity: Hiroshi Miyajima, PhD, Fellow; Mr. Tsuyoshi Takemoto, General Manager, and Co-general chair of PiezoMEMS 2025; Mr. Gen Matsuoka, Deputy General

Manager; Mr. Nobuyoshi Fujioka, Manager, Sales Group; and Mario Kiuchi, PhD, Manager, Design and Consulting Group.

Members of the second-round and final-review selection committee include: Professor Kensuke Kanda, PhD, University of Hyogo, and Co-general chair of PiezoMEMS 2025; Professor Isaku Kanno, PhD, Kobe University; Professor Takashi Yoshimura, PhD, Osaka Metropolitan University; and Professor Shinya Yoshida, PhD, Shibaura Institute of Technology.

MEMS Infinity Challenge Schedule

Initial submissions for the MEMS Infinity Challenge are due at 11:59 p.m. UTC on July 25, 2025. The evaluation period takes place from August through October 2025, and the award ceremony will be held at PiezoMEMS Workshop (Egret Himeji, in Himeji, Hyogo, Japan). For more details on the MEMS Infinity Challenge, please visit: https://www.eng.u-hyogo.ac.jp/eecs/kanda/piezomems/memschal.html

About MEMS Infinity

MEMS Infinity is advancing the development and mass production of MEMS sensors and actuators for diverse industries. Featuring a 20,000 square-foot cleanroom housing 150mm and 200mm wafer fabrication lines — which include PZT-specific patterning equipment and proprietary high-figure-of-merit PZT thin film deposition as well as silicon deep reactive ion etching (Si DRIE) — MEMS Infinity is located in the industrial and technology hub of Amagasaki.

MEMS Infinity expands the scope of MEMS offerings from SPP Group — which the company has successfully delivered for over three decades. MEMS Infinity uses production-proven tools that are certified to meet ISO standards for quality and environmental sustainability. For more information, visit https://www.spp.co.jp/infinity/en/ or email: mems-infinity@spp.co.jp

About Sumitomo Precision Products

Founded in 1961, Sumitomo Precision Products Co., Ltd. (SPP) is a leading provider of precision technologies and manufacturing services. Its core business capabilities include a full line of MEMS-related offerings: manufacturing equipment, process development, foundry production, test and manufacturing. Guided by a core set of principles that value integrity in all business practices, SPP seeks to advance a more sustainable society through technology innovation. For more information, visit https://www.spp.co.jp/English/

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