

8th CIRP Conference on Surface Integrity (CSI2026, Yokohama, Japan)

The 8th CIRP Conference on Surface Integrity (CSI2026) was successfully held in Yokohama, Japan, from May 19 to 22, 2026. Thanks to the active participation and warm support of researchers, engineers, and industrial professionals from around the world, the conference concluded as an exceptional success, exceeding expectations in both academic depth and international engagement.



CSI2026 marked the first time the conference was hosted in Japan, following editions in Bremen, Nottingham, Charlotte, Tianjin, Vitoria-Gasteiz, Lyon, and Bremen again in 2024. Building on this strong tradition, the Yokohama conference provided a vibrant platform for discussing the latest advancements in surface integrity—a field that continues to play a crucial role in the performance, reliability, and sustainability of previous modern manufacturing systems.

The conference was held at Workpia Yokohama, located in the scenic Bay Area, one of Japan's most attractive waterfront districts. Participants enjoyed not only the academic program but also the rich cultural and recreational opportunities offered by the surrounding area, including museums, parks, and the famous Chinatown. This unique environment contributed to a relaxed yet stimulating atmosphere that encouraged active discussion and networking.

The scientific program was exceptionally strong. Starting with a heated roundtable discussion, a total of 6 keynote lectures, 113 technical sessions covered a wide range of topics, including advanced surface characterization, precision machining, additive manufacturing, tribology, residual stress analysis, and functional surface design. The keynote speakers—leading experts from academia and industry—delivered insightful talks that highlighted emerging trends and future directions in surface integrity research. Their contributions set the tone for the entire conference and stimulated lively discussions throughout the sessions.

Approximately 180 Researchers from 19 countries/regions attended the event, reflecting the high level of international participation and the strong reputation of the CIRP community. Many participants commented on the excellent organization, the smooth operation of the sessions, and the welcoming atmosphere created by the Japanese organizing committee. The extended Q&A sessions and informal discussions during breaks demonstrated the strong enthusiasm of the participants and the value of face-to-face scientific exchange.

The social events also contributed significantly to the success of the conference. The welcome reception on May 19 provided an ideal opportunity for participants to reconnect with colleagues and establish new collaborations. The Young Researcher Night, held on May 20 evening, also proved highly successful, offering early-career researchers a relaxed setting to meet peers and expand their professional network. The banquet held on May 21 at the Hyatt Regency Yokohama was particularly memorable. Participants enjoyed the wonderful multi-course cuisine and exciting performances (flair bartender show with shamisen), creating a warm and festive atmosphere. Professor Bert Lauwers's introduction of CIRP's activities, the announcement of the host for the next CSI conference in Bath, UK, and Professor Bernhard Karpuschewski's closing remarks were all very impressive. Many attendees expressed that the banquet was one of the most enjoyable in the CSI history.

In conclusion, the 8th CIRP Conference on Surface Integrity was a resounding success in every respect. The organizing committee extends its deepest gratitude to all participants, sponsors, and supporters who contributed to this achievement. We hope that the knowledge sharing and the connections formed during CSI2026 will continue to inspire new research and innovation in the years to come.