International Symposium on Oral Data-Science and Digital Dentistry in Data-Driven Society

Co-sponsored by Osaka University Dental Hospital and Clinic for Operative, Preventive, Pediatric and Digital Dentistry and Periodontology, Ludwig-Maximilians-University Munich

Tuesday 9th April 2024

Venue: Yumikura Memorial Hall. 5F, Building F, Osaka University. Graduate School of Dentistry

15:30-15:40 Opening Remarks
Takashi Yamashiro, Director of Osaka University Dental Hospital

15:40-15:50 Keynote
Oral Digital Transformation
Mikako Hayashi, Head and professor, Dept of Restorative Dentistry and Endodontology, Osaka University Graduate school of Dentistry

15:50-16:05 Invited Talk
The Future of Dental Healthcare Guided by AI: From Regional Collaboration to the Concept of Smart Dental Village
Yuta Seino, Specially appointed researcher, Division for Oral Dental Informatics, Osaka University Dental Hospital

16:05-16:20 Invited Talk
Development of Method for Estimating Dental Procedures from Instruments on Tray
Shintaro Oka, Specially appointed assistant professor, Joint Research Division for Oral Data Science, Osaka University Dental Hospital

16:20-16:40 Invited Talk
The Functions and Roles of Oral Dental Informatics
Kazunori Nozaki, Division for Oral Dental Informatics, Osaka University Dental Hospital

16:40-17:00
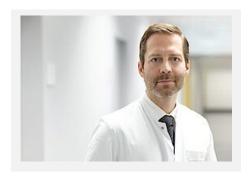Coffee break

17:00-18:00 Plenary Talk
AI in dentistry – chances and challenges?
Falk Schwendicke, Chair and Head, Clinic for Operative, Preventive, Pediatric and Digital Dentistry and Periodontology, Ludwig-Maximilians-University Munich

18:00-18:15 Signing and Closing Ceremony
Falk Schwendicke, Takashi Yamashiro, Mikako Hayashi

Prof. Dr. Falk Schwendicke heads Clinic for Operative, Preventive, Pediatric and Digital Dentistry and Periodontology, Ludwig-Maximilians-University Munich since January 2024. His research focuses on dental diagnostics and artificial intelligence, cariology and restorative care, preventive and public health dentistry as well as health economics and health services research. He is the author of numerous articles, books and book chapters - from caries management to health economics. Since 2020, Stanford Citation Ranking: 1% most cited researcher in dentistry. Prof. Schwendicke has received numerous international awards and chairs various international working groups at the WHO, DIN and the FDI. Since 2022, convenor for ISO TC106 WG13 "AI in Dental Diagnostics." His work on the use of artificial intelligence in dentistry led to the Charité's first dental spin-off, dentalXrai GmbH.