

Symposium | AI&IT : [Symposium 66] Digital Frontiers in Psychiatry: Innovative Approaches from Asia

📅 Sat. Sep 27, 2025 2:10 PM - 3:40 PM JST | Sat. Sep 27, 2025 5:10 AM - 6:40 AM UTC 🏛️ Session Room 2 (Main Hall B)

## [Symposium 66] Digital Frontiers in Psychiatry: Innovative Approaches from Asia

Moderator: Taishiro Kishimoto (Keio University School of Medicine)

### [SY-66] Digital Frontiers in Psychiatry: Innovative Approaches from Asia

Taishiro Kishimoto<sup>1</sup>, Hwa-Young Lee<sup>2</sup>, Hsin-An Chang<sup>3</sup>, Hironobu Nakamura<sup>4</sup> (1. Keio University School of Medicine (Japan), 2. Soonchunhyang University Hospital (Korea), 3. Tri-Service General Hospital (Taiwan), 4. Institute of Science Tokyo (Japan))

Keywords : digital technology, AI, prediction

Information and communication technology advancement has significantly transformed our daily lives, making them more convenient. This evolution has also impacted the field of psychiatry, where clinical practices are undergoing remarkable changes. Innovations such as telemedicine, hospital system support, prognosis prediction, diagnostic assistance, and app-based therapies are reshaping the landscape. This symposium will focus on cutting-edge initiatives in psychiatry across Asia that leverage digital technologies. Each presenter will share insights into their notable achievements. Dr. Kishimoto will open the symposium by summarizing the applications of digital technology in psychiatry and presenting the development of a wearable wristband device for depression screening. Dr. Chang will discuss EEG-based diagnostic technologies for depression, while Dr. Nakamura will present quantitative techniques for assessing schizophrenia symptoms using natural language processing. Dr. Lee will introduce a system designed for predicting suicide and aggressive behaviors in psychiatric wards.