The 3rd Hokkaido University Medical AI Symposium

17th August 2024 Sat 11:50-18:25

Venue

Hybrid Event

Onsite Hokkaido University Conference Hall 北海道大学学術交流会館

Online Zoom

Admission **Free of Charge**

Pre-Registration

Onsite / Online

Program (JST)

11:50-12:40 Luncheon Seminar hosted by AIRS Medical Japan & Star Product Limited

- **My Fast MRI Challenge**
  Jongho LEE (Korea)
  Professor,Laboratory for Imaging Science and Technology (LIST) Department of Electrical and Computer Engineering, Seoul National University
- **Revolutionary Image Quality Improvement and its Clinical Impact Achieved by SwiftMR**
  Noriyuki FUJIMA
  Senior Lecturer, Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital

12:45-13:00 Opening Remarks

Kohsuke KUDO
Director of the Medical AI Research and Development Center, Hokkaido University Hospital

Shigetsugu HATAKEYAMA
Dean, Hokkaido University Faculty of Medicine

Kiyohiro HOUKIN
President of Hokkaido University

13:00-13:50 Medical AI Research in Imaging

- **Opportunistic Screening using CT**
  Yoshiyuki WATANABE
  Professor,Radiology, Shiga University of Medical Science
- **AI in Cognitive Neuroimaging: from Concept to Products**
  Sandy, Cheng-Yu CHEN (Taiwan)
  Distinguished Professor, Department of Radiology, College of Medicine, Taipei Medical University

13:50-14:40 Medical AI Research in Surgery

- **Surgical Instrument Detection and Motion Analysis Using Deep Learning**
  Hiroyuki SUGIMORI
  Associate Professor, Faculty of Health Sciences, Hokkaido University
- **Real-time AI assistance for Neuro-Endovascular Treatment: Neuro-Vascular Assist by iMed**
  Kenichi KONO
  CEO, iMed Technologies, Inc.

14:50-15:40 Medical AI Research in Gait

- **Gait Analysis with AI for Predicting Musculoskeletal Diseases**
  Ken KADOYA
  Specially Appointed Associate Professor, Faculty of Medicine, Hokkaido University
- **Machine Learning–Based Gait Analysis to predict Clinical Frailty Scale in Elderly Patients with Heart Failure**
  Motoki NAKAO
  Assistant Professor, Department of Pharmacology, School of Medicine, Iwate Medical University

15:40-16:30 Medical AI Informatics (Online Session)

- **Current Status and Potential of Medical AI in India**
  Vikram PATIL (India)
  Dy Dean , Research(Clinical) & Professor(Radiology), JSS Medical College
- **Digital Health and Medical AI at the University of Melbourne**
  Mike CONWAY (Australia)
  Senior Lecturer in Digital Health Centre for Digital Transformation of Health School of Computing and Information Systems University of Melbourne

16:40-17:30 Evening Seminar Session 1 hosted by Canon Medical Systems

- **The Evolution and Future of AI in Radiology: Pioneering the Future with Abierto RSS**
  Tomohiro KIKUCHI
  Department of Radiology, School of Medicine, Jichi Medical University

17:30-18:20 Evening Seminar Session 2 hosted by FUJIFILM Medical Co., Ltd.

- **Introduction of the Latest AI Technology Implemented in the SYNAPSE SAI Viewer**
  Hirotaka ITO
  IT Solution Div., Medical Systems Business Div., FUJIFILM Corporation
- **Function and Usability of the SYNAPSE SAI Viewer-1**
  Keita SAKAMOTO
  Senior Lecturer, Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital
- **Function and Usability of the SYNAPSE SAI Viewer-2**
  Daisuke KATOH
  Clinical Fellow, Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital

18:20-18:25 Closing Remarks

Tatsuya ATSUMI
Vice President of Hokkaido University (Director of Hokkaido University Hospital)

The Event Organizers (Host)

Clinical AI Human Resources Development Program of Hokkaido University School of Medicine (CLAP)
The Medical AI Research and Development Center of Hokkaido University Hospital

Contact Information

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The Cosponsors

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