

Day 1: November 21 (Sat), 2020					
08:30 - 09:10	Hall-A	<b>APAMI2020 Inauguration Ceremony</b> Moderator: Rafiqul Islam Maruf Guests: Naoki Nakashima & APAMI2020 Team, Vajira H. W. Dissanayake, Yu-Chuan Jack Li and Michio Kimura			
09:10-11:00	Hall-A	<b>JCMI-APAMI Special Keynote Session I : HL7 FHIR</b> Moderator: Mihoko Okada, Institute of Health Data Infrastructure for All, Japan			
09:10-10:00		Keynote Speaker: <b>William Ed Hammond</b> Affiliation: Director, Center for Health Informatics, Duke University, USA Title: <i>All About FHIR®</i>			
10:10-11:00		Keynote Speaker: <b>Clement J. McDonald</b> Affiliation: Director, Lister Hill Center, National Library of Medicine (NLM), National Institutes of Health (NIH), USA Title: <i>Tools for Validating, Entering and Retrieving FHIR Clinical Data from the Lister Hill Center FHIR Brigade</i>			
11:00-11:20	TEA BREAK				
11:20-12:50	Room E-1	<b>APAMI Panel Session: Patient Engagement</b> <i>Digital Health: Application of Mobile and Wearable Devices for Participatory Healthcare</i> Moderator: <b>Shabbir Syed Abdul</b> , Taipei Medical University, Taiwan Paneled Speaker: <b>Shabbir Syed Abdul</b> Affiliation: Taipei Medical University, Taiwan Paneled Speaker: <b>Yu-Chuan (Jack) Li</b> Affiliation: Graduate Institute of Biomedical Informatics, Taipei Medical University, Taiwan Paneled Speaker: <b>Luis Fernandez Luque</b> Affiliation: Salumedia Labs, Sevilla, Spain & Adhera Health Inc, USA Paneled Speaker: <b>Ekaterina Koledova</b> Affiliation: Merck Healthcare KGaA, Germany Paneled Speaker: <b>Rafiqul Islam Maruf</b> Affiliation: Medical Information Center, Kyushu University Hospital, Japan	11:20-12:50	Room E-2	<b>General Oral Session: Connected and Digital Health</b> Chairs: <b>CP Wong</b> , Hong Kong Society for Medical Informatics, Hong Kong and <b>Ashir Ahmed</b> , Kyushu University, Japan MT Ghozali, Universitas Muhammadiyah Yogyakarta, Indonesia Title: <i>Asthma Self-Management App for Indonesian Asthmatics: A Patient-Centered Design</i> Kimiyo Kikuchi, Kyushu University, Japan Title: <i>Portable Health Clinic for Sustainable Care of Mothers and Newborns in Rural Bangladesh</i> Junhao Zhong, Massachusetts College of Pharmacy and Health Science University, USA Title: <i>Explore the Potential of a Regulated Digital Pharmacy Industry in Japan</i>
12:50-14:00	LUNCH BREAK				
14:10-16:00	Room E-1	<b>General Oral Session: Telehealth and Telemedicine Systems</b> Chairs: <b>Usman Iqbal</b> , Taipei Medical University, Taiwan and <b>Toshihiro Takeda</b> , Osaka University Graduate School of Medicine, Japan Oommen John, The George Institute for Global Health, India Title: <i>Telemedicine in India: Strengthening Health Services Delivery for Universal Health Coverage</i> Riksa Wibawa Resna, Institute of Health Science Banten, Indonesia Title: <i>Determination of the Implementation Factors of the Lantera Application Using UTAUT Model</i> Shunta Tomimatsu, Kyushu University Hospital, Japan Title: <i>Technical Support for Rapid Replacement of Face-to-face Events with Online Events due to the COVID-19 Pandemic: A Case Study from Kyushu University Hospital</i> Kuriko Kudo, Kyushu University Hospital, Japan Title: <i>Participants' Evaluation of a Virtual Academic Conference: Report from the 24th Japan Association of Medical Informatics Spring Symposium</i> Shintaro Ueda, Kyushu University Hospital, Japan Title: <i>Barriers Against and Improvement Measures of Discussion During Bilateral Video-Conferencing in an Early Gastric Cancer Case Study</i>	14:05-14:55	Room E-2	<b>Poster Presentation Sessions: Nursing Informatics</b> Chair: <b>Shinichio Yokota</b> , The University of Tokyo Hospital, Japan Rana Kodama, Osaka University Graduate School of Medicine, Japan Title: <i>Development of Home-Visit Nursing Record Template Contents</i> Miki Takami, University of Hyogo, Japan Title: <i>Differences in the Self-Evaluation of the Training with and without an Exercise Using Simulation Teaching Materials</i> Eiko Nakanishi, University of Hyogo, Japan Title: <i>Nurses' Search of Patients' Electronic Medical Records and Their Understanding of Patient: A Study Using Eye Tracking and Follow-up Interviews</i> Yumi Bando, University of Hyogo, Japan Title: <i>A Discussion on Two-Way Nursing Information Cooperation System Interlinking Hospital and Home</i> Ai Tomotaki, National College of Nursing, Japan Title: <i>Trends in Research on Use of the Omaha System Between 2012 and 2019: Exploratory Scoping Review</i> Mari Taba, Naragaku University, Japan Title: <i>Factors Related to the Perception of Nursing Students for Group Work in Online Classes</i> Sachiyo Morino, Kishiwada City Hospital, Japan Title: <i>Characteristics of 25 Mild-Moderate COVID-19 Patients Admitted to a Municipal Hospital -Analysis of Information from an Electronic Medical Record System-</i>
14:10-14:30			14:05-14:12		
14:30-14:50			14:12-14:19		
14:50-15:10			14:19-14:26		
15:10-15:30			14:26-14:33		
15:30-15:50			14:33-14:40		
			14:40-14:47		
			14:47-14:54		
			15:05-15:35	Room E-2	<b>Poster Presentation Sessions: COVID-19</b> Chair: <b>Fumihiko Yokota</b> , Kyushu University, Japan Utomporn Wongsin, College of Public Health, Taipei Medical University, Taiwan Title: <i>Mobile Applications for COVID-19 Tracing in Thailand</i> Hocheol Lee, Yonsei University Graduate School, Republic of Korea Title: <i>Catching Public Opinion of COVID-19 Pandemic in Korea and Japan: Social Network Mining on Twitter</i> Takuya Kinoshita, Nagasaki University Graduate School of Biomedical Sciences, Japan Title: <i>Correlation of COVID-19 and Population-Level Interest in Telemedicine: Time-Lagged Analysis Using Google Trend</i> Shoko Miyagawa, Faculty of Nursing and Medical Care, Keio University, Japan Title: <i>3D Printed Face Shield for COVID-19: A Website Providing Safety Information for Makers</i>
			15:05-15:12		
			15:12-15:19		
			15:19-15:26		
			15:26-15:33		
			15:45-16:00	Room E-2	<b>Poster Presentation Sessions: Database</b> Chair: <b>Yoshifumi Wakata</b> , Tokushima University Hospital, Japan Masamichi Ishii, National Center for Global Health and Medicine, Japan Title: <i>How to Improve the Workflow for Processing Genetic Test Results in an Electronic Medical Record System</i> Hiroki Furuhashi, University of Miyazaki Hospital, Japan Title: <i>A Long-Tail Trend of Drug Dispensing Frequency and Expenditure Using ABC Analysis</i>
			15:45-15:52		
			15:52-15:59		
16:00-16:20	TEA BREAK				
16:20-18:20	Hall-A	<b>JCMI-APAMI Special Keynote Session II : Patient Engagement</b> Moderator: <b>Michio Kimura</b> , Hamamatsu University School of Medicine, Japan Keynote Speaker: <b>Hyeoun-Ae Park</b> Affiliation: College of Nursing, Seoul National University, Republic of Korea Title: <i>Role of Health Informatics for Patient Engagement</i> Keynote Speaker: <b>Naoki Nakashima</b> Affiliation: MIC, Kyushu University Hospital, Japan; General Chair of APAMI2020 Title: <i>Patient Engagement and Personal Health Record</i>			
16:20-17:10					
17:20-18:20					
18:20 ~	CLOSE OF DAY 1				

Day 2: November 22 (Sun), 2020					
9:30-11:00	Room E-1	Last Minute Papers Presentation Session Chairs: Katsuki Okada, Osaka University Graduate School of Medicine, Japan and Siaw Teng Liew, University of New South Wales, Australia	09:30-11:00	Room E-2	General Oral Session: Nursing Informatics Chairs: In Young Choi, The Catholic University of Korea, Republic of Korea and Takumi Tanikawa, Hokkaido University of Science, Japan
9:30-9:50			09:30-09:50		Yoshiaki Fukami, Keio University, Japan Title: <i>Governance for Realization of Medical, Nursing and Administration Data Integration System</i>
9:50-10:10			09:50-10:10		Tittaya Mairittha, Kyushu Institute of Technology, Japan Title: <i>Enhancing Nursing Care Records with A Spoken Dialogue System based on Smartphones</i>
10:10-10:30			10:10-10:30		Haru Kaneko, Kyushu Institute of Technology, Japan Title: <i>Implementation of Care Records Automatic Generation Function in a Care Record Application</i>
10:30-10:50			10:30-10:50		Sakiko Itoh, Osaka University, Japan Title: <i>Impact of a Sensing System on Mental Burden Among Nursing Care Providers in a Nursing Home</i>
11:10-11:20 TEA BREAK					
11:20-12:20	Hall-A	JCMI-APAMI Special Keynote Session III : ICD-11 Moderator: Takeshi Imai, The University of Tokyo, Japan			
11:20-12:20		Keynote Speaker: Christopher G. Chute Affiliation: Professor of Medicine, Public Health and Nursing, Johns Hopkins University, USA Speech Title: <i>The Potential Roles of ICD-11 in Translational Research- Architectural Features that Support Data Science</i>			
12:20-13:20 LUNCH BREAK					
13:20-14:30	Room E-1	General Oral Session: Artificial Intelligence in Healthcare and Clinical Practice (I) Chairs: Siva Durga Prasad Nayak M, Siddhartha Medical College, India and Takanori Yamashita, Kyushu University Hospital, Japan	13:20-14:10	Room E-2	Poster Presentation Sessions: Connected and Digital Health/Telehealth Chair: Kimiyo Kikuchi, Kyushu University, Japan
13:20-13:40		Yasunobu Nohara, Kumamoto University, Japan Title: <i>Explanation of Machine Learning Models Using Shapley Additive Explanation and Application for Real Data in Hospital</i>	13:20-13:27		Ekaterina Koledova, Global Medical Affairs, Merck KGaA, Germany Title: <i>Implementing eHealth to Complement and Support Achieving Adherence to Growth Hormone Therapy</i>
13:40-14:00		Bowen Wang, Osaka University Graduate School of Medicine, Japan Title: <i>Semi Supervised Learning of Nodule Detection in Chest Radiographs</i>	13:27-13:34		Takeshi Tanaka, Hiroshima University Hospital, Japan Title: <i>A Test Production of Medical Institution Webpage Available for an Extremely Large-Size Font</i>
			13:34-13:41		Gumindu G.A.K Kulatunga, PG Institute of Medicine, University of Colombo, Sri Lanka Title: <i>A Snapshot of Telehealthcare Services in Sri Lanka: Gaps and Opportunities</i>
			13:41-13:48		Gumindu G.A.K Kulatunga, PG Institute of Medicine, University of Colombo, Sri Lanka Title: <i>A Survey of Patient Opinion on the Role of Telehealth in Sri Lanka</i>
			14:20-14:50	Room E-2	Poster Presentation Sessions: Standardization Chair: Hideto Yokoi, Kagawa University, Japan
			14:20-14:27		Hiroki Furuhashi, University of Miyazaki Hospital, Japan Title: <i>Meal Completion as a Substitutional Event for Clinical Pathway Completion: Extension of Comparison from Single Hospital Database to That of Multiple Hospitals</i>
			14:27-14:34		Dingding Xiao, Tohoku University Graduate School of Medicine, Japan Title: <i>Development of a FHIR Application Based on SS-MIX2 Data</i>
14:40-15:50	Room E-1	General Oral Session: COVID-19 Chair: Shashi B. Gogia, Consultant Surgeon and President, SATHI, India and Takahiro Suzuki, Chiba University, Japan	14:34-14:41		Yeonchan Seong, Ajou University School of Medicine, Yonsei University, Republic of Korea Title: <i>Incorporation of the Korean EDI Vocabulary into the OMOP Vocabulary</i>
14:40-15:00		Annisia Ristya Rahmanti, Taipei Medical University, Taiwan Title: <i>Social Media Data Analytics for Outbreak Risk Communication: Learning Public Attention on "New Normal" During the Covid-19 Pandemic in Indonesia</i>	15:00-16:00	Room E-2	Poster Presentation Sessions: Artificial Intelligence Chair: Soichi Ogishima, Tohoku University, Japan
15:00-15:20		Rafiqul Islam Maruf, Medical Information Center, Kyushu University Hospital, Japan Title: <i>COVID-19 System in Portable Health Clinic for Patient Follow-up Ensuring Clinical Safety of Both Patients and Health Workers</i>	15:00-15:07		Takayoshi Terashita, Gunma prefectural college of health sciences, Japan Title: <i>Effects of the Sampling Frequency Change in Eye Movement Analysis Using Deep Convolutional Neural Network: Comparison with Other Analyses by Open Annotated Gaze Data</i>
15:20-15:40		Pramod D Jacob, DHIndia Association, India Title: <i>Modelling and Forecasting the Capacity Needs and Patient Load in Designated COVID Hospitals in Underserved Areas</i>	15:07-15:14		Shoya Wada, Osaka University Graduate School of Medicine, Japan Title: <i>OuBioBERT: An Enhanced Pre-Trained Language Model for Biomedical Text With/Without Whole Word Masking</i>
			15:14-15:21		Hiroyuki Nozaka, Hirosaki university Graduate school of health sciences, Japan Title: <i>Basic Study of Artificial Intelligence Model with Deep Learning Algorithms for Peripheral Blood Leukocyte Classification</i>
			15:21-15:28		Hiroyuki Nozaka, Hirosaki university Graduate school of health sciences, Japan Title: <i>Clinical Assessment of Artificial Intelligence Model for Leukocyte Classification in Peripheral Blood Smear Screening</i>
			15:28-15:35		Rieko Izukura, Faculty of Medical Sciences, Kyushu University, Japan Title: <i>An Electronic Phenotyping Algorithm to Identify Cases of Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis in the MID-NET Database</i>
			15:35-15:42		Md. Mohaimenul Islam, Graduate Inst. of Bio. Info., Taipei Medical University, Taiwan Title: <i>A Deep Learning Model for Improved Breast Cancer Risk Prediction</i>
15:50-16:10 TEA BREAK					
16:10-18:10	Room E-1	APAMI Special Lecture & Workshop Open Access Publishing in Medical Informatics	16:30-18:00	Room E-2	APAMI Panel Session: COVID-19 Digital Health for Augmenting Health Systems during COVID-19 Pandemic: Current Practices and Future Directions Moderator: Oommen John, The George Institute for Global Health, India and Vajira H. W. Dissanayake, University of Colombo, Sri Lanka
16:10-16:40		Special Lecture Guest Speaker: Reinhold Haux Affiliation: Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School, Germany Title: <i>On Open Access Publishing in Medical Informatics- Results of the International Trans-O-MIM Research Project</i>			Paneled Speaker: Mark Landry Affiliation: Regional Office for South-East Asia, World Health Organization, India
16:40-18:10		WORKSHOP: Facilitated by Reinhold Haux Speaker: Corinna Mielke Affiliation: Peter L. Reichertz Institute for Medical Informatics, TU Braunschweig and Hannover Medical School, Germany Title: <i>A Metric for Evaluating a Transformation of Subscription-Based Journals into Open-Access Journals</i> Speakers: Esther Greussing and Monika Taddicken Affiliation: Institute for Communication Science, TU Braunschweig, Germany Title: <i>Empirical Results on Open Access Publishing in Medical Informatics</i>			Paneled Speaker: Kyung-Hee Cho Affiliation: National Health Insurance Service Ilsan Hospital, Republic of Korea Paneled Speaker: Louise K Schaper Affiliation: Australasian Institute of Digital Health, Australia Paneled Speaker: Alvin Marcelo Affiliation: University of Philippines, Philippines Paneled Speaker: Siaw-Teng Liew Affiliation: School of Public Health and Community Medicine, WHO Collaborating Centre for eHealth, UNSW, Australia
18:10 ~ CLOSE OF DAY 2					

Day 3: November 23 (Mon), 2020					
09:00-10:10	Room E-1	General Oral Session: Artificial Intelligence in Healthcare and Clinical Practice (II) Chair: Yasunobu Nohara, Kumamoto University, Japan and Yoshimasa Kawazoe, The University of Tokyo, Japan	09:00-10:10	Room E-2	General Oral Session: Patient Engagement Chair: Lasantha Muditha Kumara Ranwala, University of Colombo, Sri Lanka and Mariko Nishikitani, Kyushu University Hospital, Japan
09:00-09:20		Kenichi Hirota, Sapporo Medical University, Japan Title: <i>Predictions of the Hemoglobin A1c (HbA1c) Concentration of Drug Treatments for Diabetes Using Machine-Learning Algorithms</i>	09:00-09:20		Nicholas Pang, Hospital Universiti Malaysia Sabah, Universiti Malaysia Sabah, Malaysia Title: <i>OHIDAS Toolkit, the PHC, and Tanya Pakar: A Multi-level, Vertically Integrated Digital Health Promotion, Primary Prevention and Telemedicine Provision Programme</i>
09:20-09:40		Masataka Kikuchi, Osaka University, Japan Title: <i>An Application of Heterogeneous Mixture Learning for Mild Cognitive Impairment Subtyping</i>	09:20-09:40		Toshihiro Takeda, Osaka University Graduate School of Medicine, Japan Title: <i>A Survey of Public Perception Toward Personal Health Record in Japan</i>
09:40-10:00		Shaira Tabassum, United International University, Bangladesh Title: <i>An Analysis on Remote Healthcare Data for Future Health Risk Prediction to Reduce Health Management Cost</i>	09:40-10:00		Melaku Haile Likka, Kochi University, Japan Title: <i>A Way of Practical Establishing a Nationwide Shared Dataset for the Continuity of Care, Based on International Standard Dataset</i>
10:10-10:30	TEA BREAK				
10:30-12:00	Room E-1	General Oral Session: Artificial Intelligence in Healthcare and Clinical Practice (III) Chair: Adam Chee, National University of Singapore, Singapore and Jun Nakaya, Hokkaido University Graduate School of Health Sciences, Japan	10:30-12:00	Room E-2	General Oral Session: Healthcare Support System and Standardization Chair: Shuji Shimizu, Kyushu University Hospital, Japan and Tomohiro Kuroda, Kyoto University Hospital, Japan
10:30-10:50		Takanori Yamashita, Kyushu University Hospital, Japan Title: <i>Machine Learning for Classification of Postoperative Patient Status Using Standardized Medical Data</i>	10:30-10:50		Shirow Manabe, Osaka University Graduate School of Medicine, Japan Title: <i>Practical Use of a Multicenter Clinical Research Support System Connected to Electronic Medical Records</i>
10:50-11:10		Sari Rahmawati Kusuma Dewi, Taipei Medical University, Taiwan Title: <i>Cervical Cancer Screening using Machine Learning Approach</i>	10:50-11:10		Chul Hyoung Park, Ajou University School of Medicine, Republic of Korea Title: <i>Development and Validation of Radiology Common Data Model (R-CDM) for the International Standardization of Medical Image Data</i>
11:10-11:30		Tahmina Nasrin Poly, Taipei Medical University, Taiwan Title: <i>Artificial Intelligence for Prostate Cancer Prediction Using Electronic Health Record Data</i>			
12:00-13:00	LUNCH BREAK				
13:00-14:30	Room E-1	APAMI Workshop: BMJ HCI Journal Publish or Perish: Introducing the New BMJ Journal for Informatics	13:00-14:10	Room E-2	General Oral Session: Health Data Science Chair: Ashok Puri, Mahatma Gandhi University of Medical Sciences and Technology, India and Masaharu Nakayama, Tohoku University Graduate School of Medicine, Japan
13:00-14:30		Facilitator & Panelled Speaker: Yu-Chuan (Jack) Li Affiliation: Graduate Institute of Biomedical Informatics, Taipei Medical University, Taiwan  Panel Speaker: Siaw-Teng Liaw Affiliation: School of Public Health and Community Medicine, WHO Collaborating Centre for eHealth, UNSW, Australia  Panel Speaker: Usman Iqbal Affiliation: Ph.D. Program in Global Health and Health Security, Taipei Medical University, Taiwan	13:00-13:20		Fumihiko Yokota, IDS3, Kyushu University, Japan Title: <i>Comparisons of Anthropometric Indices for Predicting Type 2 Diabetes Among Participants in Telemedicine and Health Checkups in Bangladesh</i>
			13:20-13:40		Mariko Nishikitani, Medical Information Center, Kyushu University Hospital, Japan Title: <i>Effects of Renal Dysfunction on the Improvement of Anemia in Bangladesh: An Epidemiological Analysis of Health Checkup Data with ICT Intervention</i>
			13:40-14:00		Md Moshir Rahman, Graduate School of BHS, Hiroshima University, Japan Title: <i>Factors Associated with Internet Addiction and Depression Among Undergraduate Medical Students in Dhaka City</i>
14:30-15:00	Room E-1	APAMI2020 Closing Ceremony Moderator: Rafiqul Islam Maruf Guests: Naoki Nakashima & APAMI2020 Team, Vajira H. W. Dissanayake & APAMI Team			
15:00 ~	CLOSE OF DAY 3 & APAMI2020 Conference				