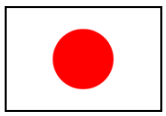
63. JAHRESTAGUNG DER GMDS
OSNABRÜCK
02.–06.09.2018

GMDS 2018 Workshop

Japanese-German EHRS Symposium JGEHRS 2018

"Quality and innovation of electronic health record systems: Ideas and experiences from Japan and Germany"

Introduction: Japanese German cooperation in medical informatics dates back to the 1980es and has been nurtured ever since by various groups of researchers. In 2013, the Japanese Association of Medical Informatics (JAMI) and the German Association for Medical Informatics, Biometry and Epidemiology (GMDS) signed a Memorandum of Understanding to encourage academic cooperation through common activities and exchange. In the wake of this agreement, the first official joint workshop of JAMI and GMDS took place in 2014 at Kloster Banz Germany. Focussing on Electronic Health Record Systems (EHRS), the DFG funded Japanese-German Workshop on Electronic Health Record Systems JGEHRS 2014 brought together more than 20 researchers to compare EHRS developments at national, regional and local level. JGEHRS resulted in a framework of quality requirements for EHRS [1]. Due to the success of JGEHRS 2014, an update of the current developments was given at JGEHRS 2016 in Munich Germany, which took place within the joint conference HEC2016 that embraced amongst others the Medical Informatics Europe conference MIE2016 and GMDS2016.



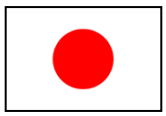
The University of Applied Sciences Osnabrück has entertained a regular academic exchange with Japanese Universities including the University Hospital Tokyo and Hamamatsu University [2] for many years. In light of these events and developments, JGEHRS 2018 takes place at GMDS2018 in Osnabrück and offers a new update of advanced EHRS projects.

References

1. Winter A, Takabayashi K, Jahn F, Kimura E, Engelbrecht R, Haux R, Honda M, Hübner UH, S. Inoue S, Kohl CD, Matsumoto T, Matsumura Y, Miyo K, Nakashima N, Prokosch HU, Staemmler M. Quality Requirements for Electronic Health Record Systems A Japanese-German Information Management Perspective. Methods of Information in Medicine 2017; 56(4): e92-e104.
2. Nienhoff H, Hübner U, Frey A, Przysucha M, Kimura M. Restricted Versus Unrestricted Search Space: Experience from Mining a Large Japanese Database. Stud Health Technol Inform. 2015;216:1072.

Scientific Program Committee:

- Prof. Dr. Reinhold Haux, Technical University Braunschweig
- Prof. Dr. Ursula Hübner, University of Applied Sciences Osnabrück (GMDS2018 chair)
- Franziska Jahn, Leipzig University
- Prof. Dr. Yasushi Matsumura, University of Osaka
- Prof. Dr. Martin Staemmler, University of Applied Sciences Stralsund
- Dr. Jan Liebe, University of Applied Sciences Osnabrück
- Prof. Dr. Alfred Winter, Leipzig University (JGEHRS2018 chair)



Programme

Monday, September 3, Room SL0002, 14:45 – 18:00

Speakers, except Keynote-speaker Y. Matsumura, will have 10 minutes for their talk. Another 5 minutes are planned for discussion.

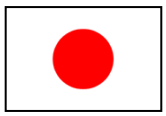
15:00 – 16:20 Part I

14:45 – 15:00	Alfred Winter	Introduction and the Quality Requirements framework of EHRS (QRF-EHRS)
15:00 – 15:30	Yasushi Matsumura	Systematic Clinical Data Collection from Multiple Electronic Medical Records of Hospitals.
15:30 – 15:45	Martin Staemmler	Assessing German EHR concepts and implementations using the Japanese-German EHRS Quality Requirements
15:45– 16:00	Birger Haarbrandt	Open Platform Architectures: a Prerequisite to Enable Efficient Reuse of EHR data?

16:00 – 16:15 Break

16:15 – 18:00 Part II

16:15 – 16:30	Tomohiro Kuroda	Future Direction of Medical Records due to Introduction of IoT into Hospital
16:30– 16:45	Jan-David Liebe	Measuring Clinical Information Logistics in Healthcare Organisations: An Overview
16:45– 17:00	Kengo Miyo	Organizing a Multi-Institutional Information Platform for Protection against Cyber-Attack on Healthcare
17:00 – 17:15	Oliver Heinze	Mobile Apps for EHR serving as key element for patient engagement and digitization in healthcare
17:15 – 17:30	Shinsuke Fujita	The Comparison between EHR and PHR in Implementation and Management
17:30– 17:45	Christian Haux, Max Seitz, Petra Knaup	Medical Informatics to support interdisciplinary care between dentistry and general medicine
17:45- 18:15	All	Conclusion The discussion will embrace questions on electronic health record systems (EHRS) in transinstitutional settings and shall reflect first experiences with the framework of quality requirements for EHRS [1]. It will especially focus on particular Japanese or German experiences, insights and solutions on quality and innovation of EHRS and on comparisons of respective national aspects.



Evening (about 19:00): informal meeting and further discussions

The speakers and SPC members will meet at the reception in the historic Town Hall of the city of Osnabrück. Later (about 20:30), there is a table reservation in a restaurant nearby the Town Hall.