DEIMS2021 Program

\* The following time slots are shown in Japanese Standard Time (JST) which is 9 hours

ahead of UTC, 8 hours ahead of CET and 17 hours ahead of PST. That is, 14:00 -19:00

JST is 06:00 - 11:00 CET and 21:00 (the previous day) - 02:00 PST.

\* Keynote lectures are 50-minutes long (including 10-minutes discussions/questions).

Presentations in the general sessions are 25-minutes long (including 5-minutes

discussions/questions).

18 Feb. 2021

13:50 Opening Address

14:00 - 14:50 Keynote Lecture 1

Neil Soiffer

"Accessible PDF: 2≯1"

15:00 - 16:30 Session A

Shunsuke Nakamura, Kento Kohase, and Akio Fujiyoshi

"Extracting Precise Coordinate Information of Components from E-Born PDF Files"

A. Jonathan R. Godfrey

"Are Statistics Courses Accessible? Part II: Revisited with 2020 hindsight"

Toshihiko Komada

"Realization of Inclusive Environment in Online STEM Lectures Using PowerPoint"

16:30 -17:00 Break Time

17:00 - 19:00 Session B

Dragan Ahmetovic, Tiziana Armano, Cristian Bernareggi, Anna Capietto, Sandro Coriasco, Mattia Ducci, Alessandro Mazzei, and Nadir Murru

"Dictation of mathematics in natural Italian language"

Giuseppe Melfi, Thorsten Schwarz, and Rainer Stiefelhagen

"New Features in SZS LaTeX Editor"

Tomas Murillo-Morales and Klaus Miesenberger

"Formalizing Visualization Semantics for Accessibility"

Aashish Kumar Verma, Klaus Miesenberger, Gregor Pertl and Kerstin Reithmayr

"Use of Mobile Devices for Haptic Interaction for classifying 3D Geometrical Objects"

19 Feb. 2021

14:00 - 15:30 Session C

John Gardner

"Reading Graphics by Audio-Touch"

Noboru Takagi, Takashi Suzuki, and Tomoyuki Araki

"An Object-oriented Graphic Description Language Available for Blind Users"

Hitoshi Tanaka

"A remark on the human readable TeX"

15:30 - 16:00 Break Time

16:00 - 16:50 Keynote Lecture 2

Masakazu Suzuki

"Conversion of School textbook PDF to EPUB3"

17:00 - 18:30 Session D

Volker Sorge, M Balakrishnan, Neha Jadhav, Akashdeep Bansal, and Himanshu Garg

"Rule based Mathematics and Layout Analysis of PDF Documents"

Akashdeep Bansal, Pawan Kumar, Volker Sorge, and M Balakrishnan

"Locating Mathematical Definitions in a Document"

Paraskevi Riga, Theodora Antonakopoulou, David Kouvaras, Serafim Lentas, and Georgios Kouroupetroglou

"The BrailleMathCodes Repository"