

A Hybrid Platform for Context-Aware V2X Communication Projectb Dataset

Dataset available at: <https://doi.org/10.7910/DVN/BLXD8J>

(This dataset supports report **A Hybrid Platform for Context-Aware V2X Communication**)

This U.S. Department of Transportation-funded dataset is preserved by the Pacific Northwest Transportation Consortium (PacTrans) in the digital repository Harvard Dataverse (<https://dataverse.harvard.edu>), and is available at <https://doi.org/10.7910/DVN/BLXD8J>.

The related final report **A Hybrid Platform for Context-Aware V2X Communication**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/61942>.

Metadata from the Harvard Dataverse Repository record:

Dataset Persistent ID: doi:10.7910/DVN/BLXD8J

Publication Date: 2022-05-04

Title: A Hybrid Platform for Context-Aware V2X Communication Projectb

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Description: The dataset is organized in three folders: The `dynamic_task_alloc_for_mel_tmc_data` Folder which includes the Mobile Edge Learning Data and the `optimal_task_alloc_for_mel_glob_time_const_data`, which included the Mobile Edge Learning Global Data set (2020-05-31)

Subject: Engineering; Computer and Information Science

Topic Classification: V2X, Mobile Edge Computing, Internet-of-Things (IoT)

Related Publication: edge learning with global training time constraints." In 2021 IEEE 18th Annual Consumer Communications & Networking Conference (CCNC), pp. 1-4. IEEE, 2021. Mohammad, Umair, Sameh Sorour, and Mohamed Hefeida. "Dynamic Task Allocation for Mobile Edge Learning." IEEE Transactions on Mobile Computing (2021).

Notes: <http://hdl.handle.net/1773/48585>

Depositor: Yarbrough, Christina

Deposit Date: 2022-05-04

Recommended citation:

Hefeida, Mohamed, 2022, "A Hybrid Platform for Context-Aware V2X Communication Projectb", <https://doi.org/10.7910/DVN/BLXD8J>, Harvard Dataverse, V1

Dataset description:

This dataset contains 1 file collection, described below.

Hybrid Platform for Context-Aware V2X Communication_Data.zip:

- blackout.eps
- blackout.fig
- blackout.pdf

- blackout.png
- blackout-1.eps
- blackout-1.fig
- blackout-1.pdf
- blackout-1.png
- CompareMaxAve.eps
- CompareMaxAve.fig
- Comparemaxave.pdf
- CompareMaxAve.png
- conf-3 (4).pdf
- decisionCompareAve.eps
- decisionCompareAve.fig
- decisionCompareAve.pdf
- decisionCompareAve.png
- decisionCompareAvenew.pdf
- Decrasing_n7_compare.eps
- Decrasing_n7_compare.fig
- Decrasing_n7_compare.pdf
- Decrasing_n7_compare.png
- Decrasing_n12_compare.fig
- descisioncompareCn7.fig
- distcompareaverage.eps
- distcompareaverage.fig
- distcompareaverage.pdf
- distcompareaverage.png
- Dn7compare.pdf
- Gaussian_n7Compare.eps
- Gaussian_n7Compare.fig
- Gaussian_n7Compare.pdf
- Gaussian_n7Compare.png
- Gaussian_n12Compare.fig
- Gn7compare.pdf
- lamdavlamdac_with_n_comparison_GG_DG T 5.eps
- lamdavlamdac_with_n_comparison_GG_DG T 5.jpg
- lamdavlamdac_with_n_comparison_GG_DG T 5.pdf
- lamdavlamdac_with_n_comparison_GG_DG T 5.png
- lamdavlamdac_with_n_comparison_GG_DG T 10.fig
- lamdavlamdac_with_n_comparison_GG_DG_T_5.fig
- LamdavTime with n comparaisn GG_DG.eps
- LamdavTime with n comparaisn GG_DG.pdf
- LamdavTime with n comparaisn GG_DG.png

- LamdavTime.fig
- LamdavTime_with_n_comparaison_GG_DG.eps
- LamdavTime_with_n_comparaison_GG_DG.fig
- LamdavTime_with_n_comparaison_GG_DG.pdf
- merged.fig
- merged.pdf
- merged.png
- merged1.eps
- merged1.fig
- merged1.pdf
- merged1.png
- mergedc.eps
- mergedc.fig
- mergedc.pdf
- mergedc.png
- mergedspecialcases.eps
- mergedspecialcases.fig
- mergedspecialcases.pdf
- mergedspecialcases.png
- min max time comparaison.fig
- n varying 3D.fig
- n varying.fig
- special case decreasing lamdaC.fig
- special case decreasing T.fig
- special case gaussian lamdaC.fig
- special case Gaussian T.fig
- special cases lamdav lamdac.fig
- special cases lamdav T.fig
- T_lamdac_G_D.fig
- threeD_DG.eps
- threeD_DG.fig
- threeD_DG.pdf
- threeD_DG.png
- threeD_DG_GG_Compare.fig
- threeD_DG_GG_Compare.pdf
- threeD_DG_GG_Compare.png
- threeD_GG.fig
- VaryCharging.eps
- VaryCharging.fig
- VaryCharging.pdf
- VaryCharging.png

- VaryCnAverage.eps
- VaryCnAverage.fig
- VaryCnAverage.pdf
- VaryCnAverage.png

File Type Descriptions:

- The .esp file extension is associated with the Eclipse, an integrated development environment that allows users to create applications for Windows, Linux, Mac, JAVA, Android and other platforms (for more information on .esp files and software, please visit <https://www.file-extensions.org/esp-file-extension>).
- The .fig file extension is associated with Fortran, a general-purpose, procedural, imperative programming language that is especially suited to numeric computation and scientific computing. (For more information on .fig files and software, please visit <https://www.file-extensions.org/fig-file-extension>).
- The .pdf file format is an Adobe Acrobat Portable Document Format (PDF) file and can be opened with the Adobe Acrobat software.
- File extension .png is commonly used for images in Portable Network Graphics file format. PNG is a bitmap graphics format similar to GIF, that uses image compression mainly for web purposes (for more information on .png files and software, please visit <https://www.file-extensions.org/png-file-extension>).

National Transportation Library (NTL) Curation Note:

As this dataset is preserved in a repository outside U.S. DOT control, as allowed by the U.S. DOT's Public Access Plan (<https://doi.org/10.21949/1503647>) Section 7.4.2 Data, the NTL staff has performed *NO* additional curation actions on this dataset. NTL staff last accessed this dataset at <https://doi.org/10.7910/DVN/BLXD8J> on 2022-05-26 If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.