

Accelerated Learning through Practical Experience with NTL

By Peyton Tvrdy



The Beginning: Leaning about Federal Libraries

- Career Fair meeting in March 2022 with Mary Moulton
- Discussion of career and contract vs. government employee
- Meeting to Establish Goals:
 - Develop skills in cataloging
 - Learn new skills with metadata and data cleanup
 - Understand Federal Library/ Research Lifecycle
- Currently working with:
 - Leighton Christiansen with cataloging and learning
 - Jesse Long with PDFs and OCR software

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Cataloging is an Artform

- Manual cataloging takes time
- Double-checking as necessary as monitor space
- Making good judgement calls come with practice
- Reviewers are essential to quality work
- 20 records created manually can be hard work,
 70 more even harder

Title	Radar and LiDAR Fusion for Scaled Vehicle Sensing [supporting dataset] [88055]
Record ID	88055
DOI/EDL	https://doi.org/10.15787/VTT1/BQJRFN
Personal Name Creator	Beale, Gregory T (69705); Berkemeier, Matthew D (69706); Doerzaph, Zachary R (30907); Perez, Miguel A (69707)
Corporate Creator	Safety through Disruption (Safe-D) University Transportation Center (UTC) {55688}
Corporate Contributor	United States. Department of Transportation. University Transportation Centers (UTC) Program (21621); United States. Depa
Publisher	Safety through Disruption (Safe-D) University Transportation Center (UTC) {3569}
Publication Date	Mar 30, 2022
Language	English
Abstract	Scaled test beds are popular tools to develop and physically test algorithms for advanced driving systems, but they often lack automotive-grade LiDAR sensor fusion approach that effectively leveraged the higher spatial resolution of LiDAR was propose opopular data association technique. Second, a 1/5th scaled vehicle performed the same vehicle maneuvers but scaled to app average than in the full-scale trials. Third, LiDAR object tracks were generated for the small-scale trials using a second EKF in positional accuracy for a majority of the small-scale trials when compared to tracks using just the radar or just the LiDAR. The radar output with LiDAR, overcoming the resolution issues that affilter radar when operating at small scale. The total size of the images and can be opened with any PDF reader or editor. Files that end in .bag are uncompressed data files. These files can
Public 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 dataset documentation is the responsibility of the dataset creator. NTL staff last accessed this dataset at https://dataverse.vtti repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time
Rosap ID	dot:64451

Learning to Walk before Sprinting

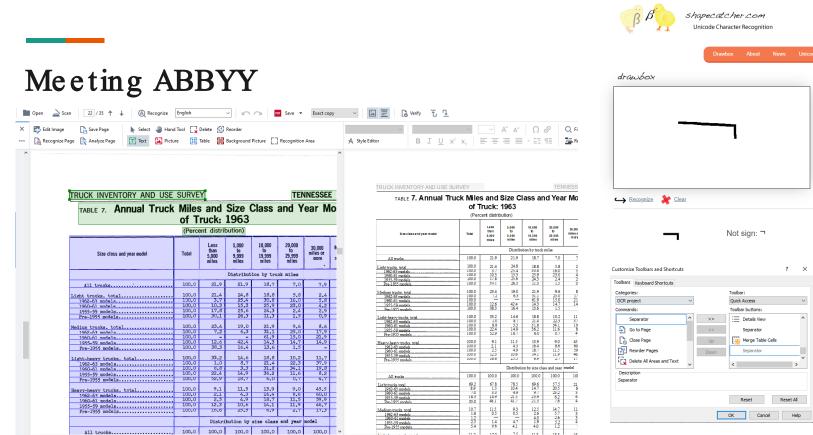
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https://ntlse	arch.bts.gov/ntl/workroom/holderentry.jsp?DOCID=88055			
Data Entry 18055 - Approved	1 2 3 4 Overview LC Authority Search			
Title	Radar and LIDAR Fusion for Scaled Vehicle Sensing [supporting dataset]			
Primary URL	https://dataverse.vtti.vt.edu/dataset.xhtml?persistentId=doi:10.15787/VTT1/BQ3RFN	Ing	estion	
Alternate URL(s)	<pre>https://https/intirepository.blob.core.windows.net/lib/88000/88000/88005/Radar_and_LiDAR_Fusion_for_Scaled_ hicle_Sensing_supporting_dataset_json</pre>	Ve		
Personal Creator(s)	Reade, Gregory T(69708); Berkender, Titthew (96906); Decraph, Jackary R(96907); Perz, ritgud, (40907)			1
Corp. Creator(s)	Safety through Disruption (Safe-D) University Transportation Center (UTC){55688}			
Corp. Contributor(s)	United States. Department of Transportation. University Transportation Centers (UTC) Program{21621}; United States. Department of Transportation. Office of the Assistant Secretary for Research and	÷		
Classification				
TRT Term(s)	Dath fursion(blodd); Driver support systems(Denvgred); Laser radar(Denobe); Seniors(Deny); Test: beds(Buxt); VehiCle safety(Nawn); Madar reacting(Denober);			
Next Finish				4

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lapert DOCID	Collection(s)	Detexet Digital Object Identifier: Detexet Tale	Alternate Title	Publication Data	Detaset Format	Resource Type	Report Primery URL	Dataset UFL	Supporting Files	Personal Creator(s)	Corp.Creator(s)	Corp.Contributor	Personal Contributar(s)	Corp. Publisher(s)	Personal Publisher(s)	Geographical Coverage
86525	University Transportation Centers Program	Chaster-Brillent and Self-Assessing Multifunctional Transportation Structures (Sopporting Dataset)		2019-08-01	219	Dataset	https://rchepository.bluk.com.w indows.not/lk/86000/86500/86 525/Disaster-brokent and Soff- biocoing Multifamilional R5M.	https://digitalicenseuro.loc.edu/traesart.duta/S2/		Karaman, Brahim Hard, Dansin	Tonas A & M University Transportation Consortium of	United States. Department of Transportation. Office of the		Transportation Concertiam of South-Central States		United States
86526	University Transportation Centers Program	A Comprehensive Transacrik for Ule-cycle Cost Assessment of Philefered Concere Endge Decks [Supporting Dataset]		2019-08-01	219	Dataset.	https://rclwpository.blak.com.w indows.rvst/lk/86000/86500/86 526/A_Comprehensive_Framew	http://dpiskurymon.ke.edu/ternet_deta/51/		Soliman, Mohamed Ahmed, Samir A Shan, Ugang	Oklahoma State University Transportation Consortium of	United States. Department of Transportation. Office of the		Transportation Consortium of South-Central States		United States
86527	University Transportation Centers Program	Portable Roadway High Water Detection System for Driver Selving and Infinitivity Assessment (Supporting Dataset)		2019-08-01	29	Dataset	https://nthepository.blab.com.w indows.nm/lb/86000/86500/86 527/Portable_Roadway_High_W atar_betaction_System_Sor_Driv or_51/en_024_adf	https://dgiakorenen.ho.edu/tenet.deta/50/		Sharif, Hatim Denocky, Same	University of Boses at San Antonio Brangostation	United States. Department of Transportation. Office of the		Transportation Consortium of South-Central States		Tionas United State
86530	University Transportation Centers Program	Life-Cycle Environmental Impact of High-Speed Rail System in the 145 Comidor Supporting Dataset		2015-38-01	2P	Dataset.	https://rthepository.blab.come.w indows.mm/lb/18000/18500/86 530/Lifecycle_Environmental_tm pact_of_High-Speed_Rall_Syste	https://doitaiconners.bu.edu/nerset.deta/40/		Kommalapati, Raghava Botlagusluru, Venkata	Prairie View A&M University Transportation Consortians of	United States. Department of Transportation. Office of the		Transportation Consertium of South-Central States		Texas United State
86532	University Transportation Centers Program	Strategies for Prioritizing Needs far Accelerated Construction after Hazard Events (Sapporting Dataset)		2019-05-01	219	Dataset	https://ethopesitory.blab.come.w indows.not/lk/96000/86500/86 552/Stratogies_for_Providing_ Needs_for_Accelerated_Constru-	https://dgitalcommons.loc.edu/tagnart_deta/48/		Meres, Ferriands Warg, Chao Yaan, Xinxing Chanbari, Laleh	New Mexico Louisiana State University (Bator			Transportation Consortian of South-Central States		United State
86533	University Transportation Centers Program	Mitigating Reflective Cracking Through the Use of a Ductile Concrete Interlayer (Supporting Dataset)		2019-09-01	28	Dataset	https://rchepository.blab.com.w indows.retr/lk/M6000/86500/86 533/M26gating. Inflective Cracking Through the Use of a Dat classifie and	https://debakammon.hu.edu/neme:.deta/47/		Zhang, Qian Khutuk, Mohammad Jamal Das Arbear	University of Louisiana at Lafayette Transportation Construction of	United States. Department of Stamportation. Office of the Associated		Transportation Consortium of South-Central States		United State
88535	University Transportation Centers Program	Decision-Making Tool for fload Presentive Makinance Using Website Waration Data (Supporting Dataset)		2015-08-01	20	Dataset	https://rthepository.blob.come.w indows.ner/lb/b6000/86500/86 535/Docision-Making. Soll_for Road_Preventive_Maintenance Rith.adf	https://digitalicensmicss.loc.edu/transm.dota/66/		Ahn, Changhum Wang, Chao Du, Iong	Tenas A&M University Loutiliana State University (Bator Rouge, La.)	United States. Department of Transportation. Office of the Assistant		Transportation Consortian of South-Central States		Louisiana Tosas United State
86538	University Transportation Centers Program	Smart Charging of Future Electric Vehicles Duing Readwar Infestivation (Supporting Dataset)		2015-28-01	29	Denset	https://whepositoryblak.com w indows.net/bl/96000/96500/96 538/5mart (baging of Future Electric Whides Using Roadwa y tricate R5M pdf	htps://doilalconnors.los.edu/ternet.daia/45/		Alwand, Sara Alwi, Ethan Taha, Malweoud Roda Desendy, Same Genedy, Monoch	University of New Mexico	United States. Department of Transportation. University Transportation Centers (UTC)		Transportation Consertian of South-Central States		United State
14527	University Transportation Centers Program	Webble Sensing and Connexarizations Using LED Headlights to Enhance the Performance of Intelligent		2015-08-01	28	Datient	https://vthspository.blob.com w indows.nor/lb/98000/98500/98 535/Whitle Sensing and Com- munications, using LED Headlig	http://detaktorenon.ht.edu/terast.deta/44/		Ekin, Sabit Ahmed, Samir	Oklahoma State University Transportation Connortian of	United States. Department of Transportation. University		Transportation Consortium of South-Central States		United State
86543	University Transportation Centers Program	Combining Vetual Reality and Machine Learning for Enhancing the Realismy of Transportation Infeaturation in Extreme Events Researching Deteator		2015-05-01	.BP	Detervet	https://thepository.blob.com.w indows.nm/Nb/98000/98500/98 540/Combining_Virtual_Ituality_ and_Machine_Learning_RIM.pd r	https://doi.ukononos.ke.edu/temet.dea/43/		Makhopedhyvs, Supratik Zhu, Yimin Gudishala, Davisifia	Louisiena State University (Baton Rouge, La.) Transportation Convertism of	United States. Department of Transportation. Office of the Assistant		Transportation Consertium of South-Central States		Louisiana United State
86541	University Energientation Centers Program	Assessing the tergants of Super States Flooding is the Tearsportation refeast-extrem Case Study: See Antonio, Teas Dispersing Dataset]		2019-38-01	29	Dataset	https://whepository.blok.com.w indows.net/WyNK002/MS002H6 S41/Aussing the Impacts of Super Storm Flooding in the T remonstall RSM pdf	https://dgitalcommons.bu.edu/transst.duts/43/		Giacomoni, Mansio H Divena, Francisco do Lago, Cesar	University of Tonas at San Antonio Tonas A&M	United States. Department of Transportation. Office of the Assistant Secretary for		Transportation Consertian of South-Central States		Temas Urnlard State
86544	University Transportation Centers Program, Climate Charge Clearinghouse	Evaluation and Enhancement of Carbon Sequestration Potential of Existing Vigatation Along Roadbidles (Supporting Dataset)		2019-38-01	200	Dataset.	https://ethopository.blak.coma.w indows.not/Wy96000/96500/86 544/Evaluation.and.Enhancements of Garbon Sequestration HE	https://debakararaca.ke.edu/tenet_dea/41/		Kepoor, Vikram Hutchinson, Jeffrey Dessocky, Samer	University of Tenas at San Antonio Transportation	United States. Department of Transportation. Office of the		Transportation Consortium of South-Central States		Tiosan United State
84570	University Transportation Centers Program	Performance of Evilled Shaft Under Combination of Complicated Loads Under Hamistere Frein Scapecrise		2019-09-01	219	Dataset	https://rthepository.blab.come.w indows.nin/lb/96000/86500/86 570/Performance of brilled Sh alt under Combination REM.ed	https://digitalcommens.loc.edu/tcanaet_data/80/		Huang, Jie Kin-Shafique, Saccad	University of Tosas at San Antonio Transportation	United States. Department of Transportation. Office of the		Transportation Consortium of South-Central States		United State
86572	University Transportation Centers Program	Integrated Full-Scale Physical Experiments and Normital Modeling of the Performance and Full-abilitation of Highway		2019-09-01	29	Dataset	https://vclwpository.bluk.core.w indows.not/lik/96000/96500/96 572/Integrated_Full-Scale_Physi- cal_Experiments_and_Numerical	Neton/Adultationswore.http://www.com/20/		Jafari, Navid H Puppala, Anand J. Chakraberty	Louisiana Stato University (kator Rosge, La.) University of	United States. Department of Transportation. University		Transportation Consortium of South-Central States		Louisiana Tiosas



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New Experiences with ABBYY Fine Reader and Cataloging

- Learning any new software takes time and practice
- Reflection on inefficiencies \rightarrow how to improve process for self and others
- Easy to miss small mistakes but with practice it becomes easier
- Attention to detail practiced in cataloging helped make this task easier
- Learning new skills is a not a sprint



Thank You!