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上期回顧——文獻檢索：檢索規則簡介

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4. 自動獲取詞根： pluralized nouns, verb tenses, and British/American spelling variations
5. 精確檢索使用雙引號： 片語、固定搭配 ie. "java programming"
6. 模糊檢索使用*和?
7. 檢索詞不區分大小寫， 檢索運算全部大寫

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Showing 1-25 of 55,940 for **MOSFET** x

Conferences (40,221) Journals (15,171) Magazines (269) Early Access Articles (138)
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Publications You May Be Interested In

Mosfet Models for Spice Simulation, Including BSIM3v3 and BSIM4



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<input type="checkbox"/> Chenming Hu (370)	<input type="checkbox"/> IMEC, Leuven, Belgium (272)	<input type="checkbox"/> IEEE Transactions on Electron Devices (4,972)	<input type="checkbox"/> MOSFET (26,397)
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Layout Techniques for MOSFETs
Salvador Pinillos Gimenez
Year: 2016 | Book | Publisher: Morgan & Claypool

[Abstract](#)  

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上期回顧——文章細節頁面

Hybrid MOSFET/driver for ultra-fast switching

T. Tang; C. Burkhart

IEEE Transactions on Dielectrics and Electrical Insulation

Year: 2009 | Volume: 16, Issue: 4 | Journal Article | Publisher: IEEE

Cited by: Papers (8)

▶ Abstract HTML  

Hybrid MOSFET/driver for ultra-fast switching

Publisher: IEEE

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T. Tang; C. Burkhart All Authors

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1311
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Abstract

Document Sections

I. Introduction

II. Design

III. Results

IV. Conclusion

Authors

Figures

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Citations

Keywords

Metrics

Abstract:

The ultra-fast switching of power MOSFETs, in about 1 ns, is very challenging due to the parasitic inductance that is intrinsic to commercial packages used for power MOSFET drivers. Parasitic gate and source inductance not only limit the voltage rise rate of the internal gate structure but can also cause the gate voltage to oscillate. This paper describes a hybrid approach that substantially reduces the parasitic inductance between the driver and MOSFET gate, as well as between the MOSFET source and its external connection. A flip-chip assembly is used to directly attach a die-form power MOSFET and driver on a PCB. The parasitic inductances are significantly reduced by eliminating bond wires and minimizing lead length. The experimental results demonstrate ultra-fast switching of the power MOSFET with excellent control of the gate-source voltage.

Published in: IEEE Transactions on Dielectrics and Electrical Insulation (Volume: 16, Issue: 4, August 2009)

Page(s): 967 - 970

INSPEC Accession Number: 10847239

9.5211841

HTML互動式線上閱讀

SECTION I. Introduction

Power MOSFETs have great potential as switches for high speed high voltage applications like pulsed power. The theoretical carrier transit time from drain to source is on the order of 200 ps in any cell of the silicon die [1]. Although the power MOSFET is

More Like This

Coreless printed circuit board (PCB) transformers for power MOSFET/IGBT gate drive circuits
IEEE Transactions on Power Electronics
Published: 1999

The reliability of high-lead solder joints in flip-chip devices
2014 15th International Conference on Electronic Packaging Technology
Published: 2014

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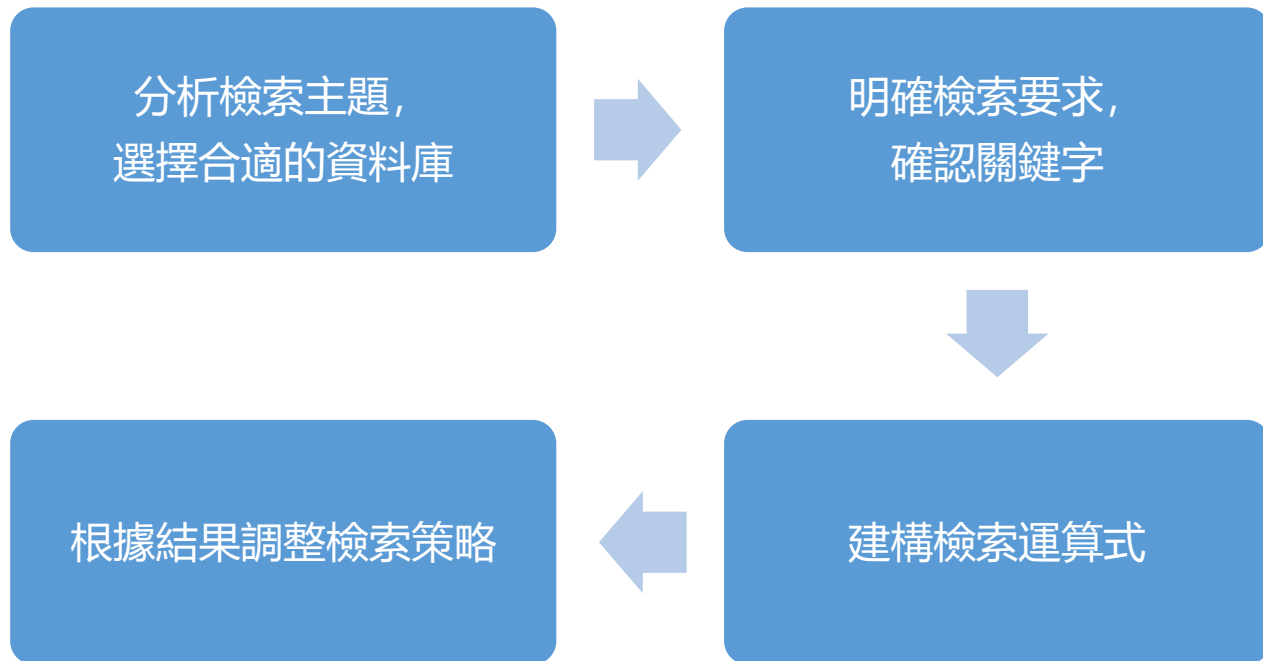
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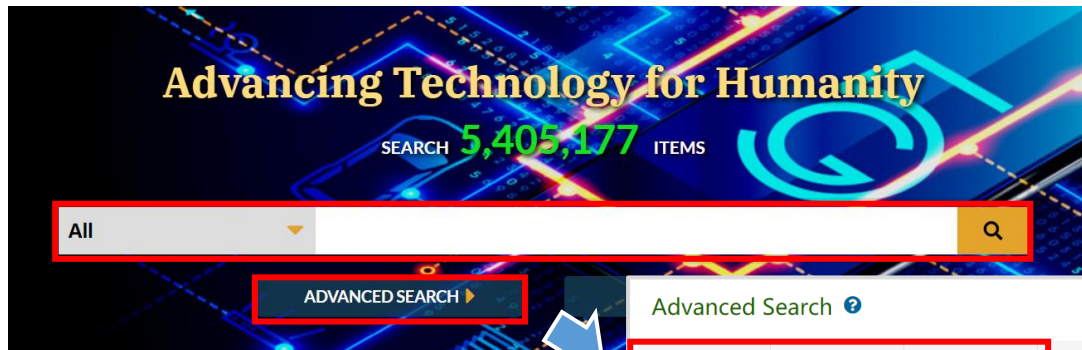
本期主題

- IEEE Xplore高階檢索詳解
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- 善用標準、數據、程式碼及其他資源
- 科研文獻管理

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Search Tips

檢索欄位

The image displays two side-by-side screenshots of the IEEE Xplore search interface, specifically the 'Data Fields' dropdown menu. The left screenshot shows the full list of data fields, and the right screenshot shows the 'Accession Number' field selected.

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Data Fields	Accession Number
All Metadata	Article Number
Full Text & Metadata	Article Page Number
Full Text Only	Author Affiliations
Document Title	Author Keywords
Authors	Author ORCID
Publication Title	DOI
Abstract	Funding Agency
Index Terms	IEEE Terms
Accession Number	INSPEC Controlled Terms
Article Number	INSPEC Non-Controlled Terms
Article Page Number	ISBN
Author Affiliations	ISSN
Author Keywords	Issue
Author ORCID	Mesh_Terms
DOI	Publication Number
Funding Agency	Parent Publication Number
IEEE Terms	Standards Dictionary Terms
INSPEC Controlled Terms	Standards ICS Terms
INSPEC Non-Controlled Terms	Standard Number

Summary of Data Fields

Data fields identify specific parts of a document record. By limiting a search to a specific field (or metadata), you can reduce the time it takes to process the search and produce more targeted results. Here are the data fields you can use in advanced search and/or command search.

Note: In Command Search, remember to enclose the field name in quotation marks, and use a colon to separate the field name from the field value you want to search for; for example, "Document Title":rfid.

Field Name	Definition
Abstract	Brief summary or statement of the contents of a journal article, conference paper, standard, book, book chapter, or course.
Accession Number	Sequential number assigned by INSPEC to each record or volume as it is added to the database.
Article Number	Unique record number assigned to an article. For example in the following URL, the article number is 5487489: https://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5487489
Article Page Number	Paginated position of a journal article in a journal offering, e.g., the page number in a journal issue.
Author Affiliation	Institutional affiliation of authors listed in documents (university, government agency, corporation, etc.).
Author Keywords	Terms provided by the author which describe the topics or subjects of the document.

檢索運算規則

檢索從式1

檢索從式2

"Abstract":ofdm AND "Publication Title":communications

檢索式

檢索運算規則

- ▶ 支援檢索運算子: AND、OR、NOT、NEAR和ONEAR
 - "Document Title":computing NOT cloud
 - "Document Title": Fast ONEAR/2 "Document Title":Statistic*
- ▶ 支持鄰近關係檢索
 - A NEAR/5 B
 - ("Document Title":Java OR "Document Title":XML) NEAR/3 ("Document Title":Scada OR "Document Title":Systems)

檢索運算規則

▶ 檢索運算優先順序如下

1.NEAR / ONEAR

2.NOT


3.AND

4.OR

▶ 括弧最優先

(computer OR PC) NEAR/3 monitor AND "Author Affiliations": "Nat* Taiwan univ*" NOT "Author Affiliations": "Nat* Taiwan univ* of"

檢索運算規則

- ▶ "Document Title":computing NOT cloud
- ▶ "Document Title":(computing NOT cloud) 
- ▶ "Document Title":computing NOT "Document Title":cloud

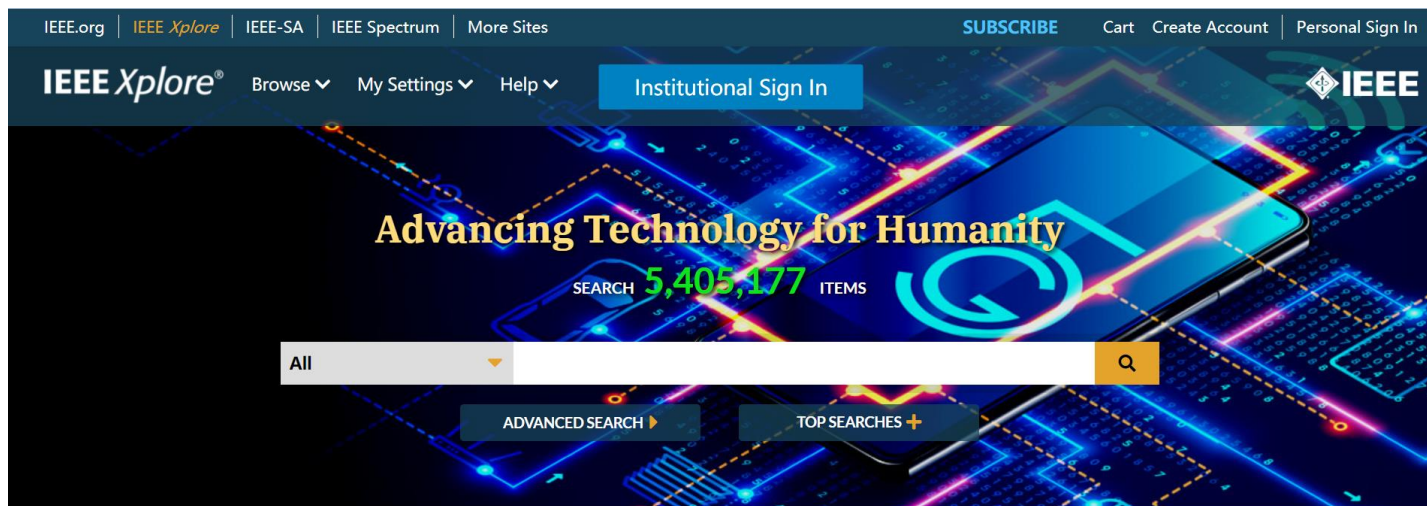
檢索運算規則——截詞符/萬用字元

- ▶ *代表零或多個字母，?代表一個字母
 - 可用於詞尾
 - 可用於詞首
 - 可用於單詞中間
- ▶ 每次檢索使用的最大數量：7
- ▶ 使用時所需的最少字母數：3
- ▶ 可用於鄰近關係檢索
 - Compute* NEAR/2 machine
- ▶ 可用于全文檢索

檢索運算規則

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大功率快充站與配電網協調控制技術

- ▶ 查找關鍵技術對應英語：
- ▶ High-power fast charging station & Distribution network coordinated control technology
- ▶ 提取關鍵字：
- ▶ high power, fast, charging station, distribution network, coordinated, control

大功率快充站與配電網協調控制技術

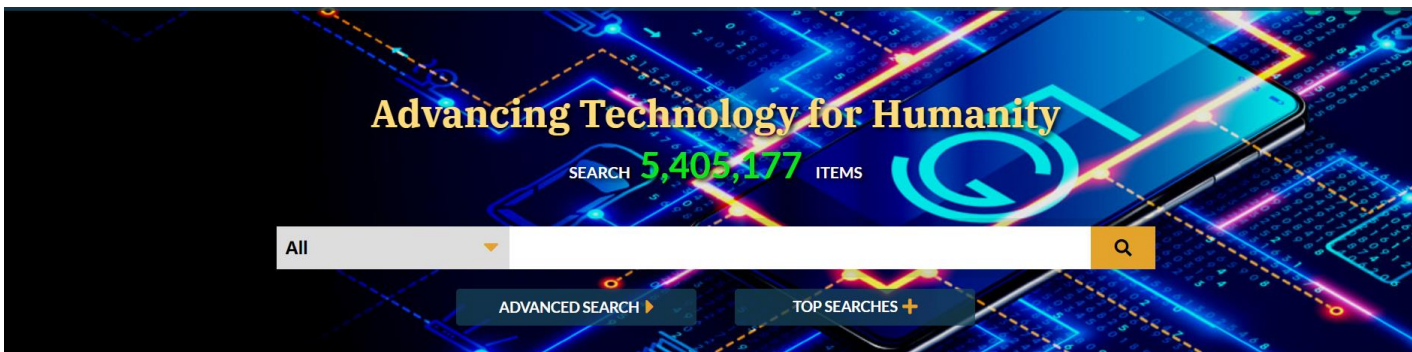
- ▶ 梳理關鍵字間邏輯關係：
- ▶ (high power OR fast) AND charging station AND distribution network AND (coordinated OR control)
- ▶ 檢索符號優先順序如下
 - NOT
 - AND
 - OR
- ▶ 括弧優先

大功率快充站與配電網協調控制技術

- ▶ (high power OR fast) AND charging station AND distribution network AND (coordinated OR control)
- ▶ 考慮替換詞彙/表達：
- ▶ (high power OR fast) AND charg* AND distribution
- ▶ 片語/精確檢索用 ""
- ▶ 截詞符/模糊檢索用 * (替代0-n個字母) 或 ? (替代1個字母)

初步檢索

(high power OR fast) AND charg* AND distribution



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2021

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1910

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Harmonic research of electric vehicle fast chargers



Aiqiang Pan; Yongwei Zhu; Lijia Ren; Tiantian Chen; Sun Wen; Wang Yun
2016 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC)

Year: 2016 | Conference Paper | Publisher: IEEE

Cited by: Papers (1)

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Impact of fast charging stations on the voltage flicker in the electric power distribution systems



Sami M. Alshareef; Walid G. Morsi
2017 IEEE Electrical Power and Energy Conference (EPEC)

Year: 2017 | Conference Paper | Publisher: IEEE


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Abstract

Document Sections

- I. Introduction
- II. Voltage Fluctuation and Light Flicker
- III. Fastcharging Station Demand Profile Estimation
- IV. Results and Discussion
- V. Conclusion

Authors

Figures

References

Citations

Keywords

Keywords

IEEE Keywords

Voltage fluctuations, Charging stations, Batteries, Fluctuations, State of charge, Conferences

INSPEC: Controlled Indexing

distribution networks, electric vehicles, Monte Carlo methods, power grids, power supply quality

INSPEC: Non-Controlled Indexing

plug-in electric vehicle, electric power quality, electric power distribution system, power demand, fast charging station, voltage flicker, fast charging stations

Author Keywords

Fast charging station, power quality, voltage flicker, time resolution

INSPEC受控詞：由專家規範化的專業詞彙



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Publisher: IEEE

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Sami M. Alshareef ; Walid G. Morsi **All Authors**

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Abstract

Document Sections

- I. Introduction
- II. Voltage Fluctuation and Light Flicker
- III. Fastcharging Station Demand Profile Estimation
- IV. Results and Discussion
- V. Conclusion

Abstract:

Fast Charging Station (FCS) will be deployed on the highways. These fast charging stations are characterized by the high power, which is needed to reduce the charging time of the plug-in electric vehicle. Therefore, the impact of such high power fast charging stations on the electric power quality in the electric power distribution system needs to be quantified. The power demand of the fast charging stations may be seen by the distribution grid as an additional load that is superimposed on the existing load demand. In this paper, the Monte Carlo (MC) method is proposed to probabilistically estimate the power demand of the plug-in electric vehicles when they charge from the fast charging station and the proper means of assessing the voltage flicker in the electric power distribution system will be quantified.

Published in: 2017 IEEE Electrical Power and Energy Conference (EPEC)

Date of Conference: 22-25 Oct. 2017

INSPEC Accession Number: 17577069

Date Added to IEEE Xplore: 08 February 2018

DOI: 10.1109/EPEC.2017.8286226

ISBN Information:

Publisher: IEEE

Conference Location: Saskatoon, SK, Canada

Authors

Figures

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Citations

Keywords

SECTION I. Introduction

More Like This

Load forecasting of electric vehicles based on Monte Carlo method
2020 5th International Conference on Mechanical, Control and Computer Engineering (ICMCCE)
Published: 2020

A Monte Carlo method to evaluate electric vehicles impacts in distribution networks
2010 IEEE Conference on Innovative Technologies for an Efficient and Reliable Electricity Supply
Published: 2010


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Impacts of the frequency effects on partial discharge characteristics of the high frequency power transformer insulation 

Han Shuai; Wang Feng; Bi Jiangang; Zhang Bowen; Li Qingmin
2016 China International Conference on Electricity Distribution (CICED)
Year: 2016 | Conference Paper | Publisher: IEEE
Cited by: Papers (1)

▶ Abstract  


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輔助資料：多媒體、會議視頻、代碼和資料

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- Publication Title
- Publisher
- Supplemental Items**
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- Media (36,317)
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- Datasets (451)
- Code (356)

A Voting-Mechanism based Ensemble Framework for Constraint Handling Techniques 
Guohua Wu; Xupeng Wen; Ling Wang; Witold Pedrycz; P. N. Suganthan
IEEE Transactions on Evolutionary Computation
Year: 2021 | Early Access Article | Publisher: IEEE

▶ Abstract



Media

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Media



Description

This is the supplementary file of the article “A Voting-Mechanism based Ensemble Framework for Constraint Handling Techniques” published in IEEE Transactions on Evolutionary Computation. This file contains two parts. One part includes the details of the 57 real-world constrained optimization problems, which are used in Section IV in the manuscript. Another part is the experimental results, including the best/mean/median values of the ten comparison algorithms on the 57 real-world constrained optimization problems, as the supplementary data of Table I and Table II in the manuscript.

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Media (36,317)

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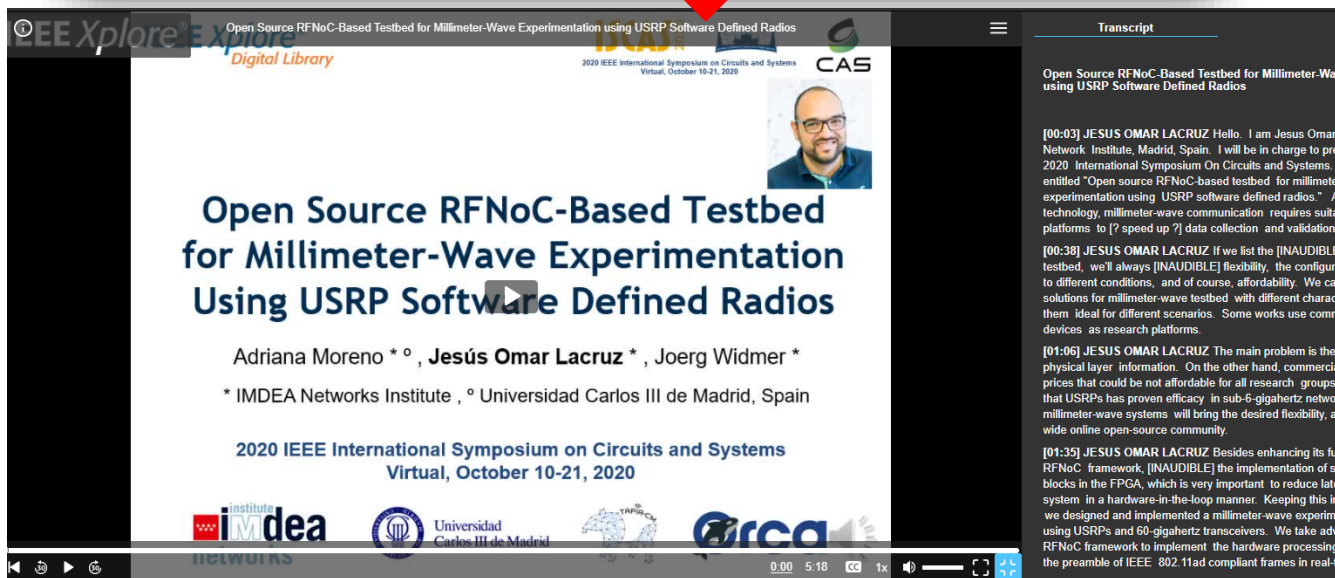
Datasets (451)

Code (356)

SR Latch: The Wrong Introduction to Digital Memory
Abdulahdi Shoufan
2020 IEEE International Symposium on Circuits and Systems (ISCAS)
Year: 2020 | Conference Paper | Publisher: IEEE

[▶ Abstract](#) [\(\(html\)\)](#) [📄 \(128 Kb\)](#) [©](#) **▶ Video**

會議視頻



Open Source RFNoC-Based Testbed for Millimeter-Wave Experimentation using USRP Software Defined Radios

2020 IEEE International Symposium on Circuits and Systems Virtual, October 10-21, 2020

Open Source RFNoC-Based Testbed for Millimeter-Wave Experimentation Using USRP Software Defined Radios

Adriana Moreno * ^o, Jesús Omar Lacruz *, Joerg Widmer *

* IMDEA Networks Institute, ^o Universidad Carlos III de Madrid, Spain

2020 IEEE International Symposium on Circuits and Systems Virtual, October 10-21, 2020

Transcript

Open Source RFNoC-Based Testbed for Millimeter-Wave Experimentation using USRP Software Defined Radios

[00:03] JESUS OMAR LACRUZ Hello. I am Jesus Omar Lacruz, IMDEA Networks Institute, Madrid, Spain. I will be in charge of presenting the 2020 International Symposium On Circuits and Systems entitled "Open source RFNoC-based testbed for millimeter-wave experimentation using USRP software defined radios." A millimeter-wave technology, millimeter-wave communication requires suitable platforms to [?] speed up [?] data collection and validation.




[00:38] JESUS OMAR LACRUZ If we list the [INAUDIBLE] testbed, we'll always [INAUDIBLE] flexibility, the configuration to different conditions, and of course, affordability. We can use these solutions for millimeter-wave testbed with different characteristics. Some works use commercial devices as research platforms.

[01:06] JESUS OMAR LACRUZ The main problem is the physical layer information. On the other hand, commercial devices that could be not affordable for all research groups that USRPs has proven efficacy in sub-6-gigahertz networks. millimeter-wave systems will bring the desired flexibility, a wide online open-source community.

[01:35] JESUS OMAR LACRUZ Besides enhancing its full RFNoC framework, [INAUDIBLE] the implementation of software blocks in the FPGA, which is very important to reduce latency in a hardware-in-the-loop manner. Keeping this in mind, we designed and implemented a millimeter-wave experiment using USRPs and 60-gigahertz transceivers. We take advantage of the RFNoC framework to implement the hardware processing of the preamble of IEEE 802.11ad compliant frames in real-time.

輔助資料：多媒體、會議視頻、代碼和資料

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Personalized Channel Recommendation Deep Learning From a Switch Sequence
Can Yang ; Sixuan Ren ; Yong Liu ; Houwei Cao ; Qihu Yuan ; Guoqiang Han
IEEE Access
Year: 2018 , Volume: 6
Page s: 50824 - 50838
IEEE Journals & Magazines
▶ Abstract [\(html\)](#)  (11429 Kb)  **Datasets** 

CHANNELS SWITCH SEQUENCES OF 300 IPTV VIEWERS IN A MONTH

Citation Author(s): Sixuan Ren and Can Yang in South China University of Technology
Submitted by: Can Yang
Last updated: Thu, 11/08/2018 - 10:34
DOI: 10.21227/H2396N
Data Format: TXT
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Dataset Views:  196

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CATEGORIES
▶ Communications
▶ Discrete-time signal processing
▶ Other
KEYWORDS
▶ IPTV, Recommender System, Machine Learning

Abstract:

This dataset includes the Channels Switch Sequences of 300 IPTV viewers in Guangzhou, P.R. China, in August, 2014. There are 4 columns in the file, which represent viewer ID, the current channel number, the next channel number, the date of the month, respectively. The first column, the ID code of a viewer, ranks in descent with the times the viewer watched tv channels. The more times a viewer watches tv channels, the bigger the ID is. In a day, the rows are time series and generated step by step as the real watching tv behavior.

DATASET FILES

▶ IPTVChannelSwitchSequencesUsers300.txt (3.91 MB)

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- Code (356)
- Conference Location

Optimal microgrids placement in electric distribution systems using complex network framework
Mahmoud Saleh ; Yusef Esa ; Nwabueze Onuorah ; Ahmed A. Mohamed
2017 IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA)
Year: 2017
Page s: 1036 - 1040
Cited by: Papers (2)
IEEE Conferences

Abstract (html) PDF (880 Kb) Code

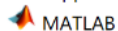
代碼

Code & Datasets

Code Dataset

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Code: Applications of Complex Network Analysis in Electric Power Systems



Applications of Complex Network ... (Mahmou...)

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Files

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```
1 #!/usr/bin/env bash
2 matlab -nodisplay -nosplash -
  nosoftwareopengl -r
  "addpath(genpath('/code'));
  ComplexNetworkAnalysis_for_ElectricP
  owerSystems()"
3
```

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July 17, 2018
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Standard Modifier

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- Redline (16)
- Stable (1)

Standard Type

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- Whitepapers (4)

IEEE Standard for Ethernet Amendment 6: Maintenance #13: Power over Ethernet over 2 pairs

IEEE Std 802.3cq-2019 (Amendment to IEEE Std 802.3-2018 as amended by IEEE Std 802.3cb-2018, IEEE Std 802.3bt-2018, IEEE Std 802.3cd-2018, IEEE Std 802.3cn-2019, and IEEE Std 802.3cg-2019)

Year: 2020 | Standard | Publisher: IEEE

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IEEE 標準頁面 – 標準版本

11073-20701-2020 - ISO/IEC/IEEE International Standard for Health informatics--Device interoperability--Part 20701:Point-of-care medical device communication--Service oriented medical device exchange architecture and protocol binding

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Chiao-Shun Patrick Chuang; Kai-Yu Gary Chen; Yu-Ren Ryan Hung; Ta-Chuan Kuo; Cheng-Chin Tony Huang
2014 IEEE 26th International Symposium on Power Semiconductor Devices & IC's (ISPSD)
Year: 2014 | Conference Paper | Publisher: IEEE
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Source: Journal of Applied Clinical Medical Physics

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