英文科技論文寫作與投稿技巧

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主辦單位

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上期回顧——投稿IEEE期刊還是會議?

- 期刊文章是研究工作和最終結果的完整展示
  - 展示原創研究結果
  - 做出清晰推論，並輔以資料支援
- 會議文章可以是正在進行沒有完成的研究
  - 可展示初期成果或強調最近工作
  - 獲得非正式回饋用於後續研究
- 會議論文通常短於期刊論文,細節和參考文獻也少些

200+
Journals, Transactions, Magazines

1,800+
Conferences

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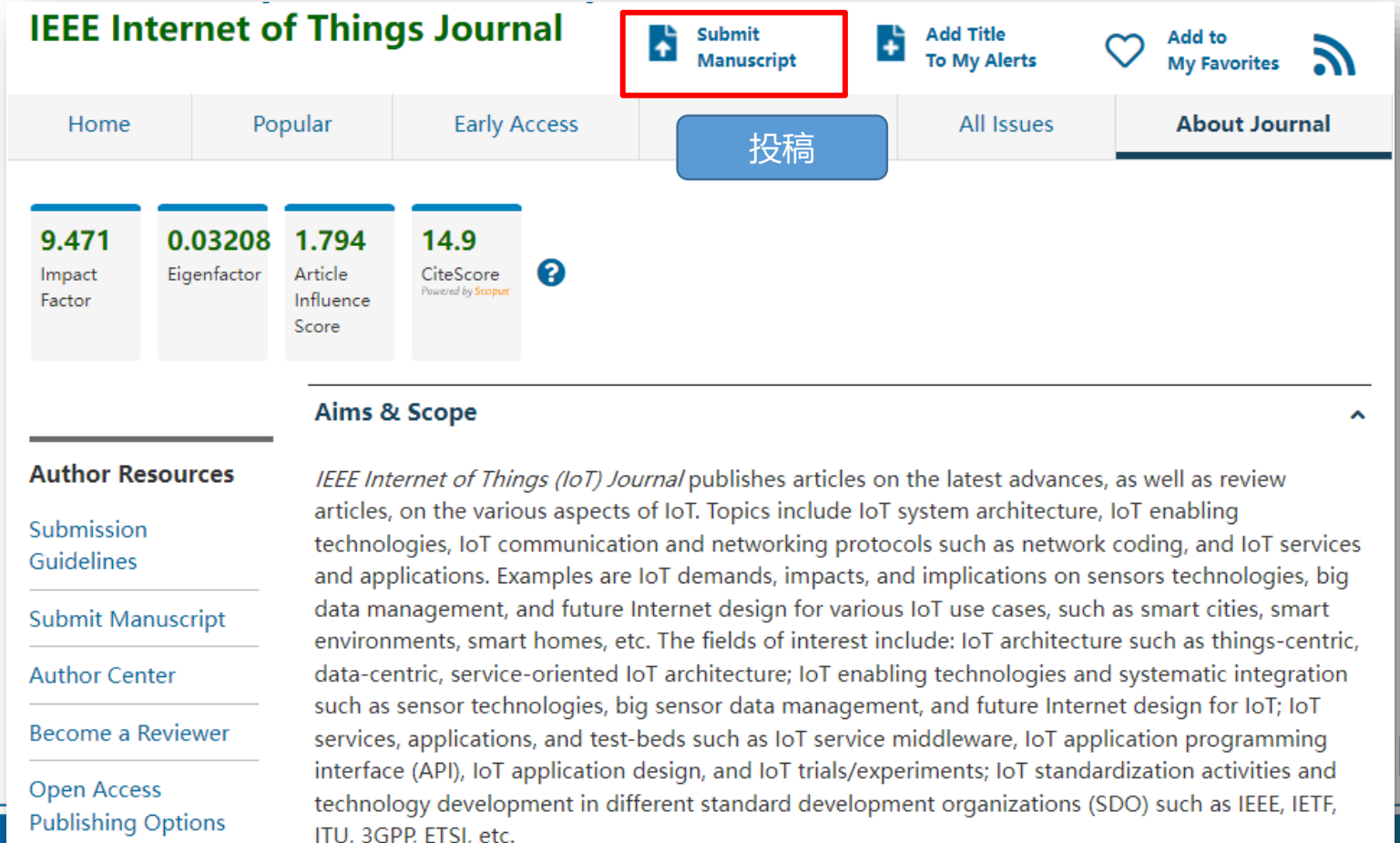
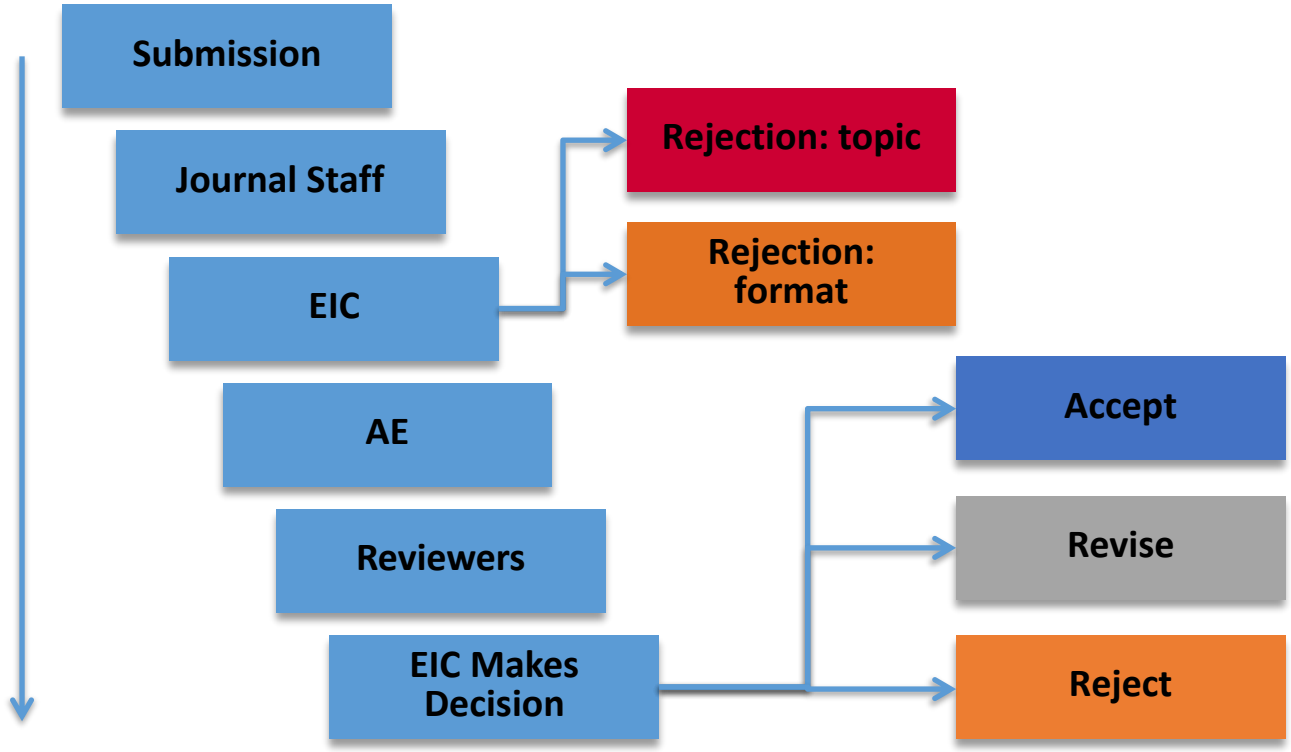
上期回顧——期刊詳情與投稿



上期回顧——評審流程 Review Process



上期回顧——投稿注意事項

- Authorship (and Acknowledgements) 作者與致謝
- Multiple Authors 多作者
- Plagiarism 剽竊
- Duplicate Submission 重複投稿、一稿多投
- Reuse of Published Materials 已出版材料的再使用
- Fabrication or Falsification 學術造假

本期主題

- 科技論文結構解析
- IEEE論文格式要求
- 推廣與曝光研究成果

為什麼發表論文?

分享知識

職業發展
與聲望

提高研究
品質

激發
新想法

存檔

準備好發表論文了嗎?

1. New and useful? 新的，有價值的
2. Hot topic? 熱門主題
3. Contribution? 貢獻
4. Supporting data? 支撐數據
5. Ruled out other interpretations? 排除其他解釋
6. Discussed with co-authors? 與合作作者討論

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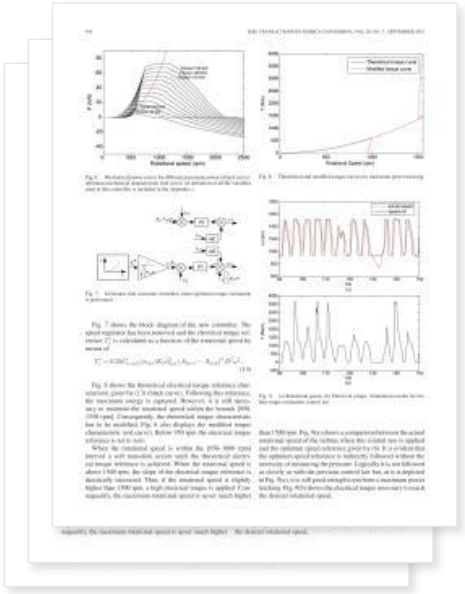
科技論文主體結構

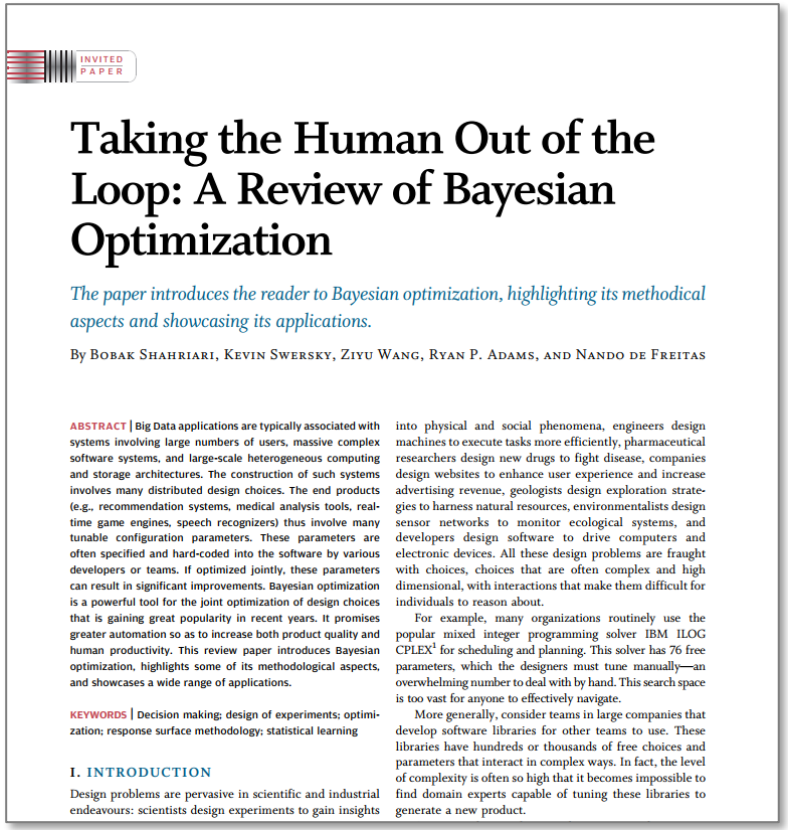
- Title 題目
- Abstract 文摘
- Keywords 關鍵字
- Introduction 引言
- Methodology 方法
- Results/Discussions/Findings 結果與分析
- Conclusion 總結
- References 參考文獻



題目

好的題目應該

- 回答讀者問題 *“這篇文章與我相關嗎？”*
- 抓住讀者興趣
- 簡潔描述文章內容
  - 簡潔
  - 使用關鍵字
  - 避免行業術語



INVITED PAPER

Taking the Human Out of the Loop: A Review of Bayesian Optimization

The paper introduces the reader to Bayesian optimization, highlighting its methodical aspects and showcasing its applications.

By Bobak Shahriari, Kevin Swersky, Ziyu Wang, Ryan P. Adams, and Nando de Freitas

ABSTRACT | Big Data applications are typically associated with systems involving large numbers of users, massive complex software systems, and large-scale heterogeneous computing and storage architectures. The construction of such systems involves many distributed design choices. The end products (e.g., recommendation systems, medical analysis tools, real-time game engines, speech recognizers) thus involve many tunable configuration parameters. These parameters are often specified and hard-coded into the software by various developers or teams. If optimized jointly, these parameters can result in significant improvements. Bayesian optimization is a powerful tool for the joint optimization of design choices that is gaining great popularity in recent years. It promises greater automation so as to increase both product quality and human productivity. This review paper introduces Bayesian optimization, highlights some of its methodological aspects, and showcases a wide range of applications.

KEYWORDS | Decision making; design of experiments; optimization; response surface methodology; statistical learning

I. INTRODUCTION

Design problems are pervasive in scientific and industrial endeavours: scientists design experiments to gain insights into physical and social phenomena, engineers design machines to execute tasks more efficiently, pharmaceutical researchers design new drugs to fight disease, companies design websites to enhance user experience and increase advertising revenue, geologists design exploration strategies to harness natural resources, environmentalists design sensor networks to monitor ecological systems, and developers design software to drive computers and electronic devices. All these design problems are fraught with choices, choices that are often complex and high dimensional, with interactions that make them difficult for individuals to reason about.

For example, many organizations routinely use the popular mixed integer programming solver IBM ILOG CPLEX[1] for scheduling and planning. This solver has 76 free parameters, which the designers must tune manually—an overwhelming number to deal with by hand. This search space is too vast for anyone to effectively navigate.

More generally, consider teams in large companies that develop software libraries for other teams to use. These libraries have hundreds or thousands of free choices and parameters that interact in complex ways. In fact, the level of complexity is often so high that it becomes impossible to find domain experts capable of tuning these libraries to generate a new product.

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好題目/壞題目

A Human Expert-based Approach to Electrical Peak Demand Management

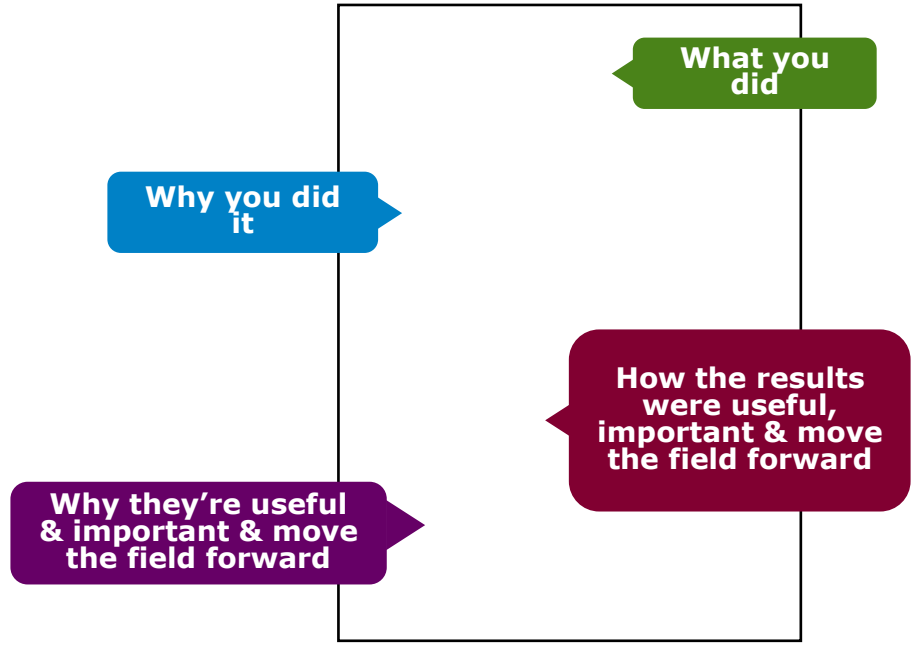
VS

A better approach of managing environmental and energy sustainability via a study of different methods of electric load forecasting

文摘

文章的濃縮版

- 不超過250字
- 以過去式寫作
- 使用關鍵字和索引詞



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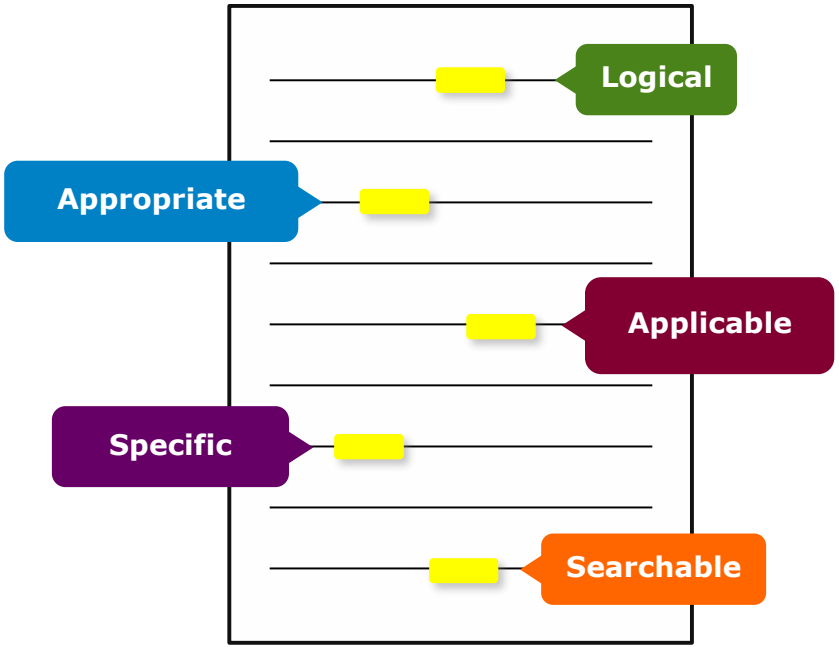
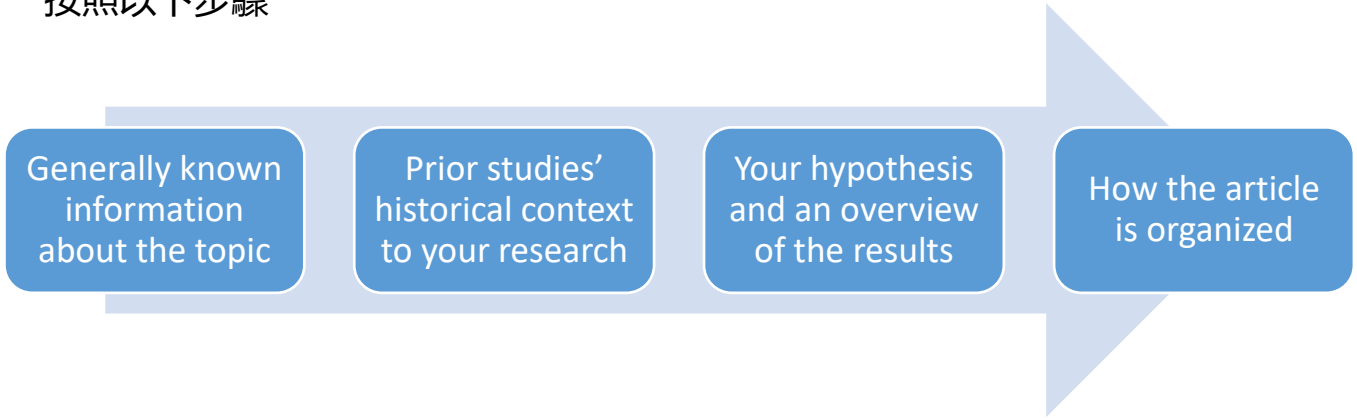


引言

- 描述研究問題
- 按照以下步驟



- 引言不應該
  - 太寬泛或太模糊
  - 超過2頁
- 以現在時撰寫

方法

- 問題構想以及解決問題，證實或否證假想的過程
- 使用圖解闡釋想法並支援結論
- 確保方程式編寫正確（使用IEEE Math Typesetting Guide for LaTeX Users 或 IEEE Math Typesetting Guide for MS Word Users）。

Tables
Present representative data or when exact values are important to show

Figures
Quickly show ideas/conclusions that would require detailed explanations

Graphs
Show relationships between data points or trends in data

結果/討論

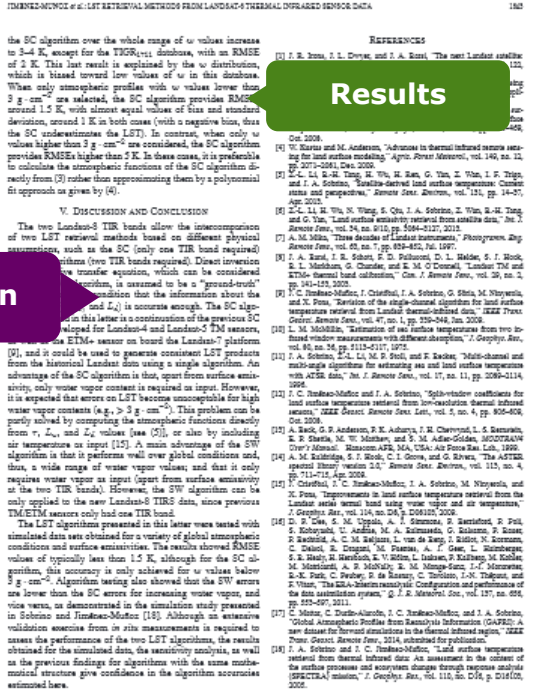
證明你解決問題或作出重大貢獻

結果：總結資料

- 應該清晰簡潔
- 使用表格圖解配合文字解釋結果

討論：闡釋結果

- 為什麼研究提出了一個新方案
- 如何提升當前領域



總結

- 解釋研究達到何種效果
  - 與引言所闡述的問題關聯
  - 重新回顧每個部分關鍵點
  - 包括重要發現、重要結論和推論的總結
- 提供以下優缺點
  - 展示的解決方案
  - 你的研究和方法
- 建議未來研究方向

SECTION IX.
CONCLUDING REMARKS

In this paper, we have introduced Bayesian optimization from a modeling perspective. Beginning with the beta-Bernoulli and linear models, and extending them to nonparametric models, we recover a wide range of approaches to Bayesian optimization that have been introduced in the literature. There has been a great deal of work that has focused heavily on designing acquisition functions; however, we have taken the perspective that the importance of this plays a secondary role to the choice of the underlying surrogate model.

In addition to outlining different modeling choices, we have considered many of the design decisions that are used to build Bayesian optimization systems. We further highlighted relevant theory as well as practical considerations that are used when applying these techniques to real-world problems. We provided a history of Bayesian optimization and related fields and surveyed some of the many successful applications of these methods. We finally discussed extensions of the basic framework to new problem domains, which often require new kinds of surrogate models.

Although the underpinnings of Bayesian optimization are quite old, the field itself is undergoing a resurgence, aided by new problems, models, theory, and software implementations. In this paper, we have attempted to summarize the current state of Bayesian optimization methods; however, it is clear that the field itself has only scratched the surface and that there will surely be many new problems, discoveries, and insights in the future.

致謝

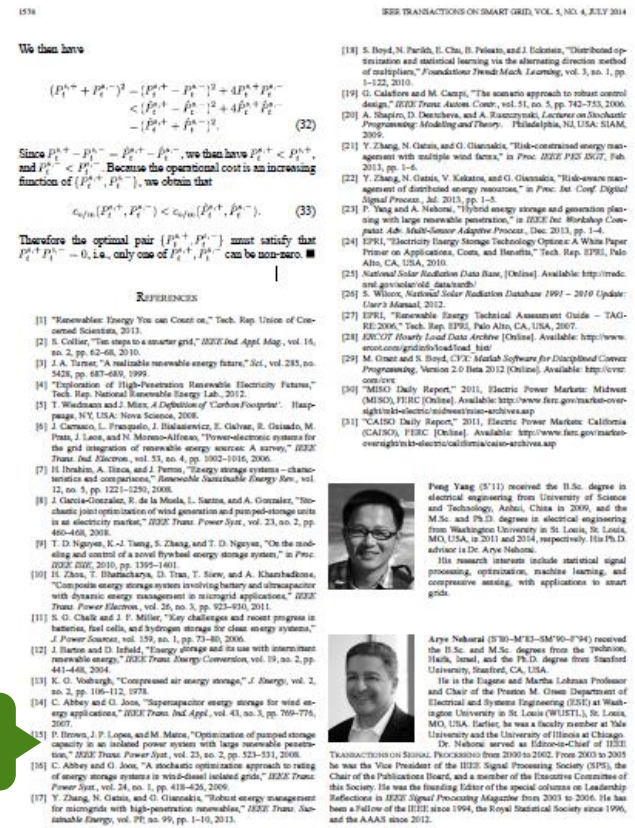
- 研究資助者
- 數據收集、圖形創建或語言潤色等協助
- 投稿前提供回饋意見的同行

ACKNOWLEDGMENT

The authors would like to thank K. McGill from VA Palo Alto Health Care System and Monica Rojas from Universitat Politècnica de Catalunya for helping to perform the experimental data collection and reviewing a draft of this paper.

參考文獻

- 支持和證實你研究所證實、否證或解決的假想
- 參考文獻數量無明確限制
  - 但是只應列出與研究直接相關的文章
- 確保作者署名



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We then have

$$(P_t^{h+} + P_t^{g-})^2 - (P_t^{g+} - P_t^{h-})^2 + 4P_t^{h+}P_t^{g-} < (\hat{P}_t^{g+} - \hat{P}_t^{h-})^2 + 4\hat{P}_t^{h+}\hat{P}_t^{g-} - (\hat{P}_t^{g+} + \hat{P}_t^{h-})^2. \quad (32)$$

Since $P_t^{h+} - P_t^{h-} = \hat{P}_t^{g+} - \hat{P}_t^{g-}$, we then have $P_t^{g+} < \hat{P}_t^{g+}$, and $P_t^{g-} < \hat{P}_t^{g-}$. Because the operational cost is an increasing function of $\{P_t^{g+}, P_t^{g-}\}$, we obtain that

$$c_{t,i,a}(P_t^{g+}, P_t^{g-}) < c_{t,i,a}(\hat{P}_t^{g+}, \hat{P}_t^{g-}). \quad (33)$$

Therefore the optimal pair $\{P_t^{g+}, P_t^{g-}\}$ must satisfy that $P_t^{g+}P_t^{g-} = 0$, i.e., only one of P_t^{g+}, P_t^{g-} can be non-zero. ■

REFERENCES

[1] "Renewables: Energy You can Count on," Tech. Rep. Union of Concerned Scientists, 2013.
[2] S. Collier, "Ten steps to a smarter grid," *IEEE Ind. Appl. Mag.*, vol. 16, no. 2, pp. 62–68, 2010.
[3] J. A. Turner, "A realizable renewable energy future," *Sci.*, vol. 285, no. 5428, pp. 687–689, 1999.
[4] "Exploration of High-Penetration Renewable Electricity Futures," Tech. Rep. National Renewable Energy Lab., 2012.
[5] T. Wiedmann and J. Minx, *A Definition of 'Carbon Footprint'*. Hauppauge, NY, USA: Nova Science, 2008.
[6] J. Carrasco, L. Franquelo, J. Bialasiewicz, E. Galvan, R. Guisado, M. Prats, J. Leon, and N. Moreno-Alfonso, "Power-electronic systems for the grid integration of renewable energy sources: A survey," *IEEE Trans. Ind. Electron.*, vol. 53, no. 4, pp. 1002–1016, 2006.
[7] H. Ibrahim, A. Ilinca, and J. Perron, "Energy storage systems—characteristics and comparisons," *Renewable Sustainable Energy Rev.*, vol. 12, no. 5, pp. 1221–1250, 2008.
[8] J. Garcia-Gonzalez, R. de la Muela, L. Santos, and A. Gonzalez, "Stochastic joint optimization of wind generation and pumped-storage units in an electricity market," *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 460–468, 2008.
[9] T. D. Nguyen, K.-J. Tseng, S. Zhang, and T. D. Nguyen, "On the modeling and control of a novel flywheel energy storage system," in *Proc. IEEE ISIE*, 2010, pp. 1395–1401.
[10] H. Zhou, T. Bhattacharya, D. Tran, T. Siew, and A. Khambadkone, "Composite energy storage system involving battery and ultracapacitor with dynamic energy management in microgrid applications," *IEEE Trans. Power Electron.*, vol. 26, no. 3, pp. 923–930, 2011.
[11] S. G. Chalk and J. F. Miller, "Key challenges and recent progress in batteries, fuel cells, and hydrogen storage for clean energy systems," *J. Power Sources*, vol. 159, no. 1, pp. 73–80, 2006.
[12] J. Barton and D. Infield, "Energy storage and its use with intermittent renewable energy," *IEEE Trans. Energy Conversion*, vol. 19, no. 2, pp. 441–448, 2004.
[13] K. G. Vosburgh, "Compressed air energy storage," *J. Energy*, vol. 2, no. 2, pp. 106–112, 1978.
[14] C. Abbey and G. Joos, "Supercapacitor energy storage for wind energy applications," *IEEE Trans. Ind. Appl.*, vol. 43, no. 3, pp. 769–776, 2007.
[15] P. Brown, J. P. Lopes, and M. Matos, "Optimization of pumped storage capacity in an isolated power system with large renewable penetration," *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 523–531, 2008.
[16] C. Abbey and G. Joos, "A stochastic optimization approach to rating of energy storage systems in wind-diesel isolated grids," *IEEE Trans. Power Syst.*, vol. 24, no. 1, pp. 418–426, 2009.
[17] Y. Zhang, N. Gatsis, and G. Giannakis, "Robust energy management for microgrids with high-penetration renewables," *IEEE Trans. Sustainable Energy*, vol. PP, no. 99, pp. 1–10, 2013.
[18] S. Boyd, N. Parikh, E. Chu, B. Peleato, and J. Eckstein, "Distributed optimization and statistical learning via the alternating direction method of multipliers," *Foundations Trends Mach. Learning*, vol. 3, no. 1, pp. 1–122, 2010.
[19] G. Calafiore and M. Campi, "The scenario approach to robust control design," *IEEE Trans. Autom. Contr.*, vol. 51, no. 5, pp. 742–753, 2006.
[20] A. Shapiro, D. Dentcheva, and A. Ruszczyński, *Lectures on Stochastic Programming: Modeling and Theory*. Philadelphia, NJ, USA: SIAM, 2009.
[21] Y. Zhang, N. Gatsis, and G. Giannakis, "Risk-constrained energy management with multiple wind farms," in *Proc. IEEE PES ISGT*, Feb. 2013, pp. 1–6.
[22] Y. Zhang, N. Gatsis, V. Kekatos, and G. Giannakis, "Risk-aware management of distributed energy resources," in *Proc. Int. Conf. Digital Signal Process.*, Jul. 2013, pp. 1–5.
[23] P. Yang and A. Nehorai, "Hybrid energy storage and generation planning with large renewable penetration," in *IEEE Int. Workshop Comput. Adv. Multi-Sensor Adaptive Process.*, Dec. 2013, pp. 1–4.
[24] EPRI, "Electricity Energy Storage Technology Options: A White Paper Primer on Applications, Costs, and Benefits," Tech. Rep. EPRI, Palo Alto, CA, USA, 2010.
[25] *National Solar Radiation Data Base*, [Online]. Available: http://rredc.nrel.gov/solar/old_data/nsrdb/
[26] S. Wilcox, *National Solar Radiation Database 1991 – 2010 Update: User's Manual*, 2012.
[27] EPRI, "Renewable Energy Technical Assessment Guide – TAG-RE:2006," Tech. Rep. EPRI, Palo Alto, CA, USA, 2007.
[28] *ERCOT Hourly Load Data Archive* [Online]. Available: http://www.ercot.com/gridinfo/load/load_hist/
[29] M. Grant and S. Boyd, *CVX: Matlab Software for Disciplined Convex Programming*, Version 2.0 Beta 2012 [Online]. Available: http://cvxr.com/cvx
[30] "MISO Daily Report," 2011, Electric Power Markets: Midwest (MISO), FERC [Online]. Available: http://www.ferc.gov/market-oversight/mkt-electric/midwest/miso-archives.asp
[31] "CAISO Daily Report," 2011, Electric Power Markets: California (CAISO), FERC [Online]. Available: http://www.ferc.gov/market-oversight/mkt-electric/california/caiso-archives.asp

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- 開篇語
  - 避免使用諸如“顯然”或“如前所述”之類的不必要短語。
  - 在一句話的開頭不要使用“This”之類字樣。因為這個字比較含糊。
- 主語和動詞必須一致
  - 單數名詞要使用動詞的單數形式，複數名詞則需要動詞的複數形式，如：“The engineer says”，“The engineers say”。

常見句法錯誤

- 誤置和垂懸修飾語
  - 修飾語指在句子中起描述作用的詞語或短語，但是當它們出現在錯誤的位置則可以引起困惑。誤置修飾語會讓修飾語與其所修飾的詞語被錯誤地分開。
    - 錯誤　“Reading the Aims and Scope, the journal would be a good fit for my article”
    - 正確　“Reading the Aims and Scope, I realized the journal would be a good fit for my article”
  - 因為處在句子中的錯誤位置，垂懸修飾語修飾的是一個無修飾關係的詞語。
    - 錯誤　“The engineer wanted a cold glass of water”
    - 正確　“The engineer wanted a glass of cold water”

細心並正確用詞

- 在文章中不要使用俚語
  - 使用技術行話時要謹慎，因為身處於您直接附屬專業之外的國際讀者可能會讀不懂
- 如果可能，請避免使用縮寫
  - 如果您確實要使用，則要在首次使用後在括弧內給出定義
- 使用簡單常見的詞
  - 如：用 “start” 而不用 “initiate”。用“Use” 而不用“utilize”。

增加文章的趣味性

- 分段寫作時，篇幅不要太長。每一段都應有一個主題句，支援該關鍵訊息的句子，以及一個總結句。段落長短不一致可使您的文章易於閱讀。
- 構思兩個段落之間的銜接。遞進是否符合邏輯?
- 以主謂賓的句式寫出清晰簡潔的句子。句子長短不一致可使文章更具吸引力。
- 句子中的每個詞都應富有含義；刪除不必要的詞語。

增加文章的趣味性

- 避免過多用被動語態。 “It was hypothesized,”是被動句； “We hypothesized,”是主動句。主動語態更富趣味且不易引起歧義。盡可能將被動句改為主動句。
- 以第一人稱（“我”、“我們”）寫作，說明工作和寫作的執行者是誰。此方法在對比您的作品和他人的作品時尤其有用。
- 摘要和方法章節將以過去時態書寫，因為這兩章描述您已經完成的工作。簡介和討論章節一般以現在時態書寫，因為這兩章描述當前存在的知識。

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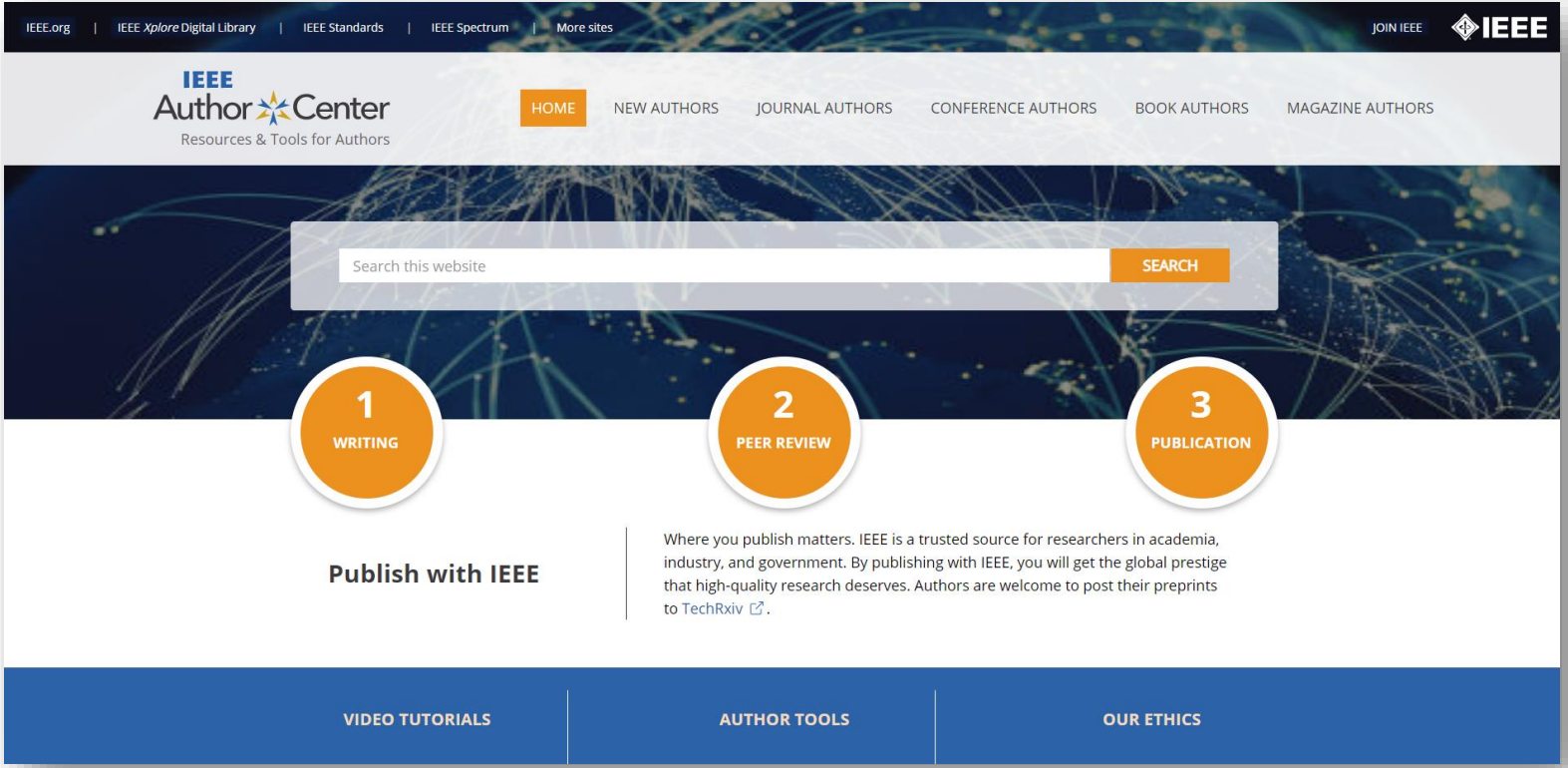

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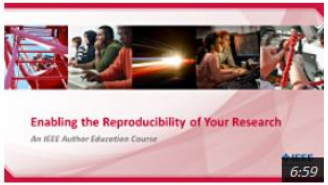

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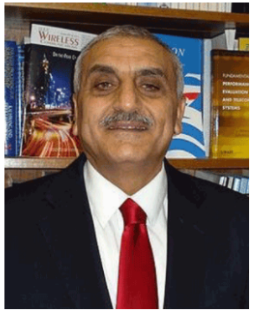

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Affiliation

King Abdullah II School of Information Technology
University of Jordan
Amman, Jordan

Publication Topics

Internet of Things, data privacy, health care, cryptographic protocols, authorisation, Internet, learning (artificial intelligence), telecommunication

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Biography

Mohammad S. Obaidat [s'85, M'86, Sm'91, F'05] received his Ph.D. degree in computer engineering in computer science from The Ohio State University, Columbus. He has published more than 1000 refereed technical articles, about half of them journal articles, over 70 books, and about 70 book chapters. He is Editor-in-Chief of three scholarly journals and an Editor of many other international journals. *(Based on document published on 20 August 2021).*

Publications	Citations
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活动

教育和资格 (1)

The Ohio State University: Columbus, Ohio, US

1981-01-02 至 1986-06-30 | Ph.D. (Electrical and Computer Engineering)
教育

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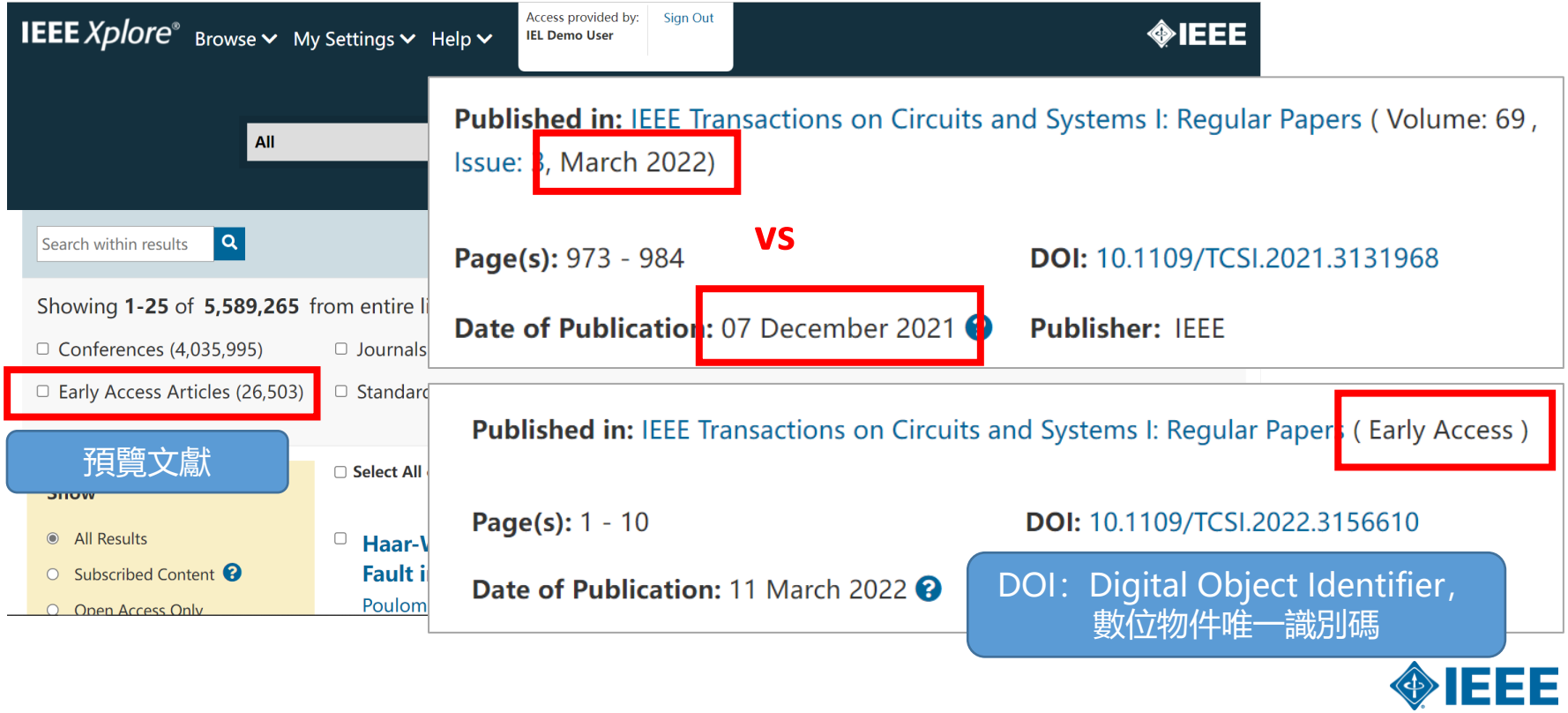

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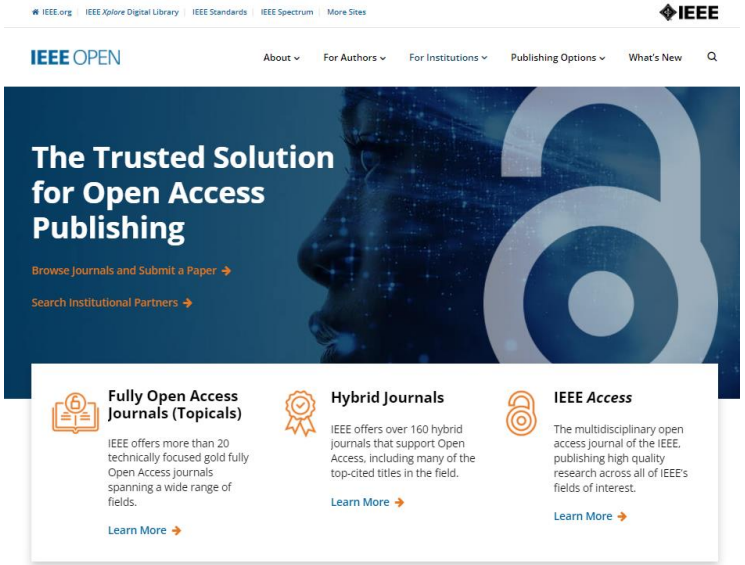

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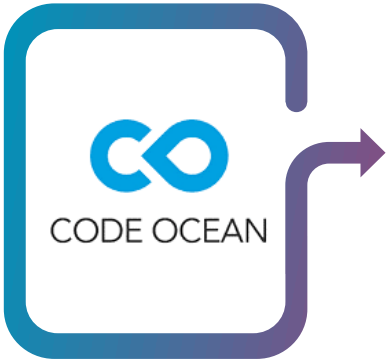

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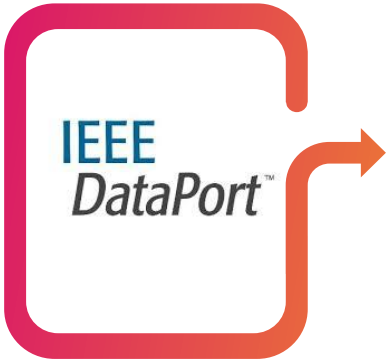

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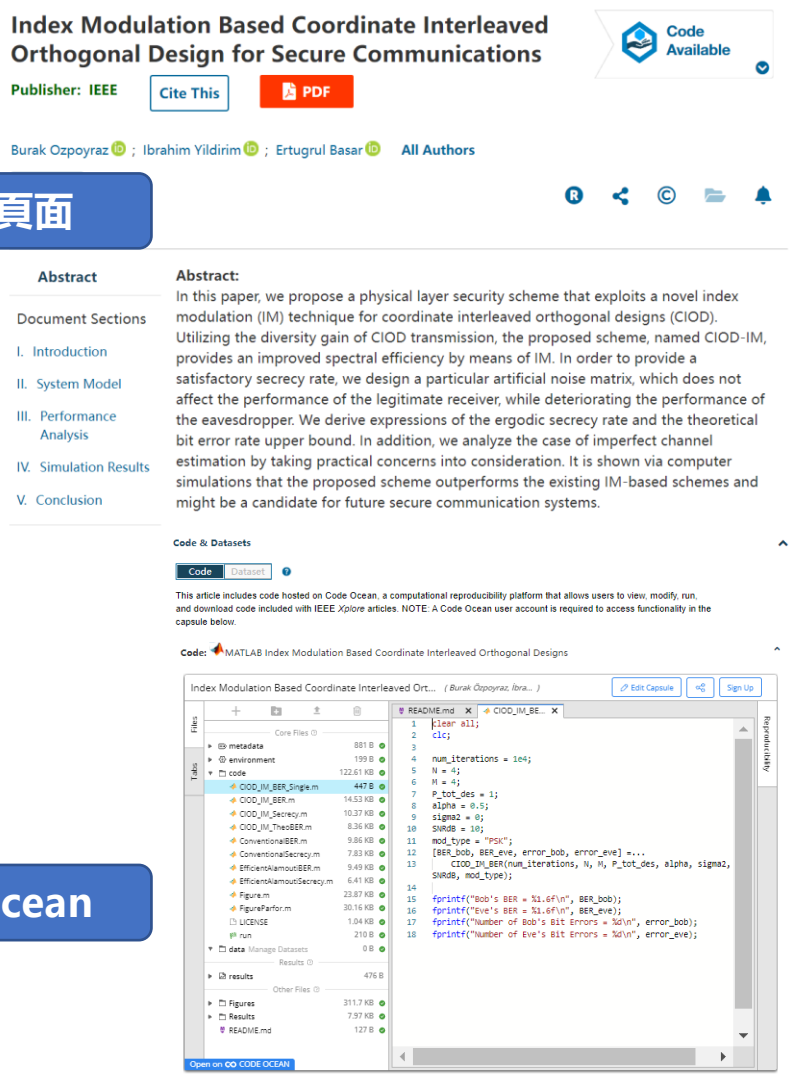

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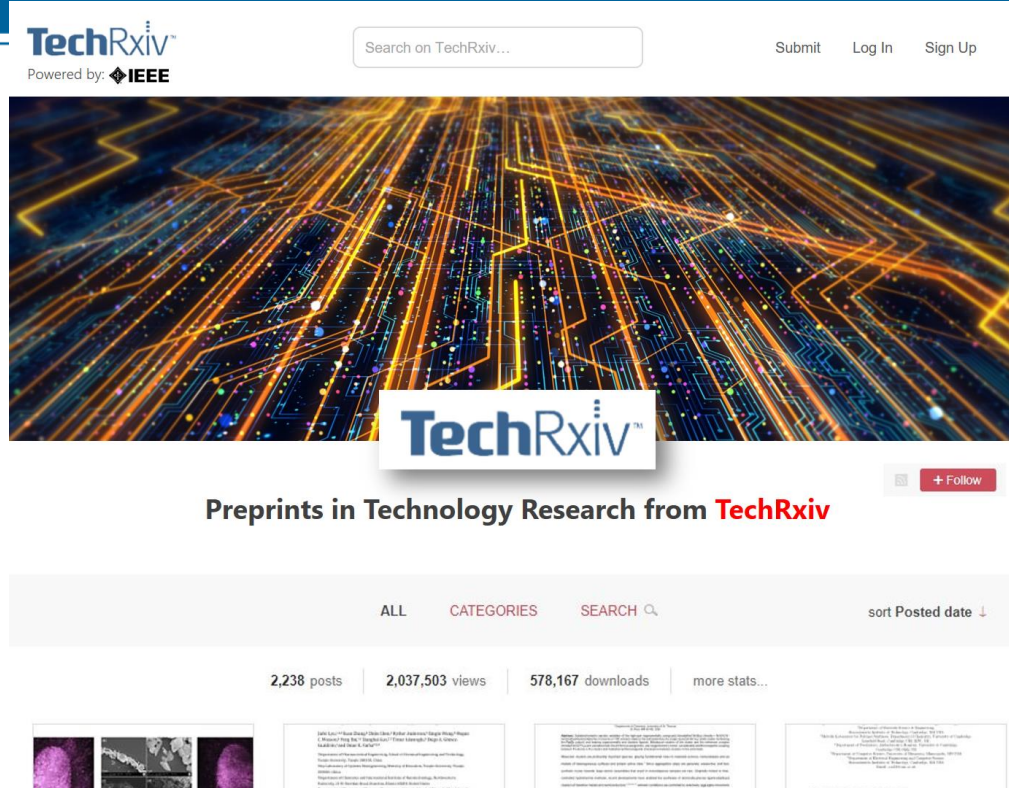

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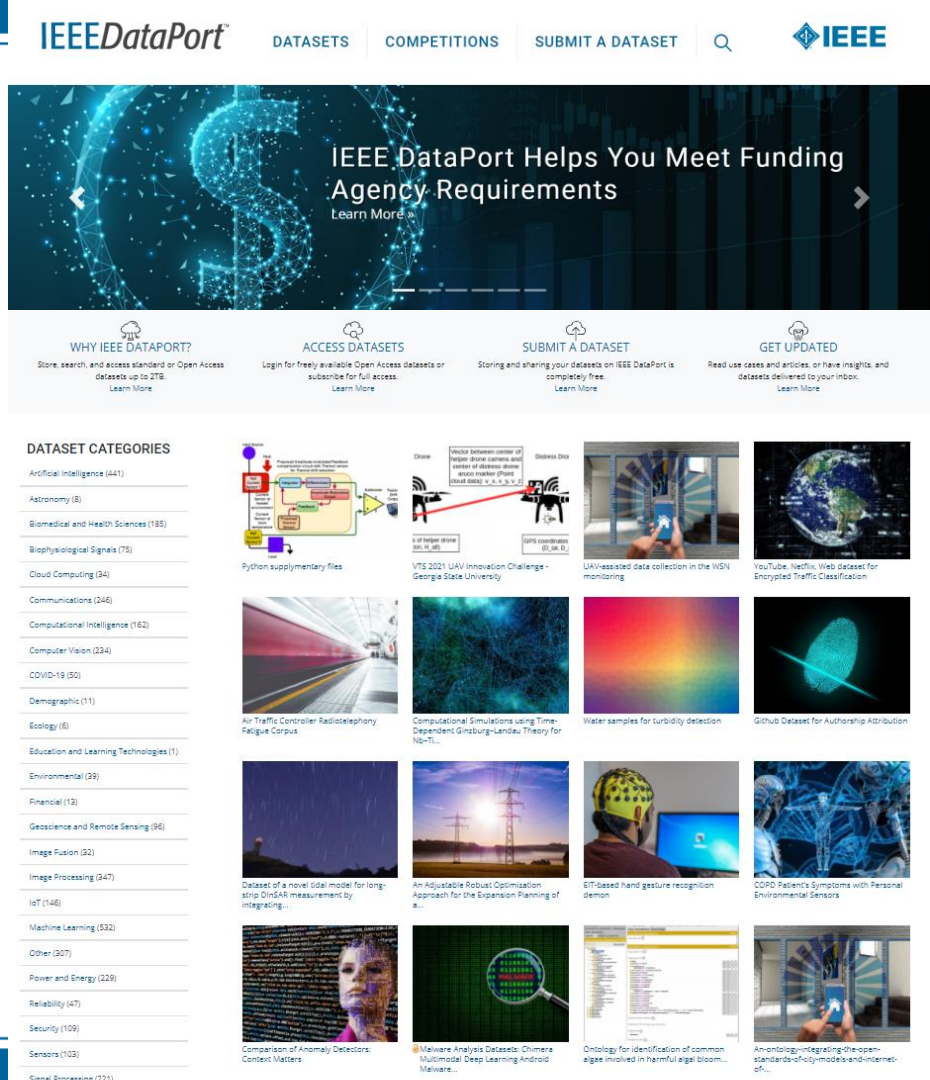

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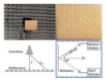

Usman Sarwar; Muhammad Amin; Dragos Dancila; Imran Aziz

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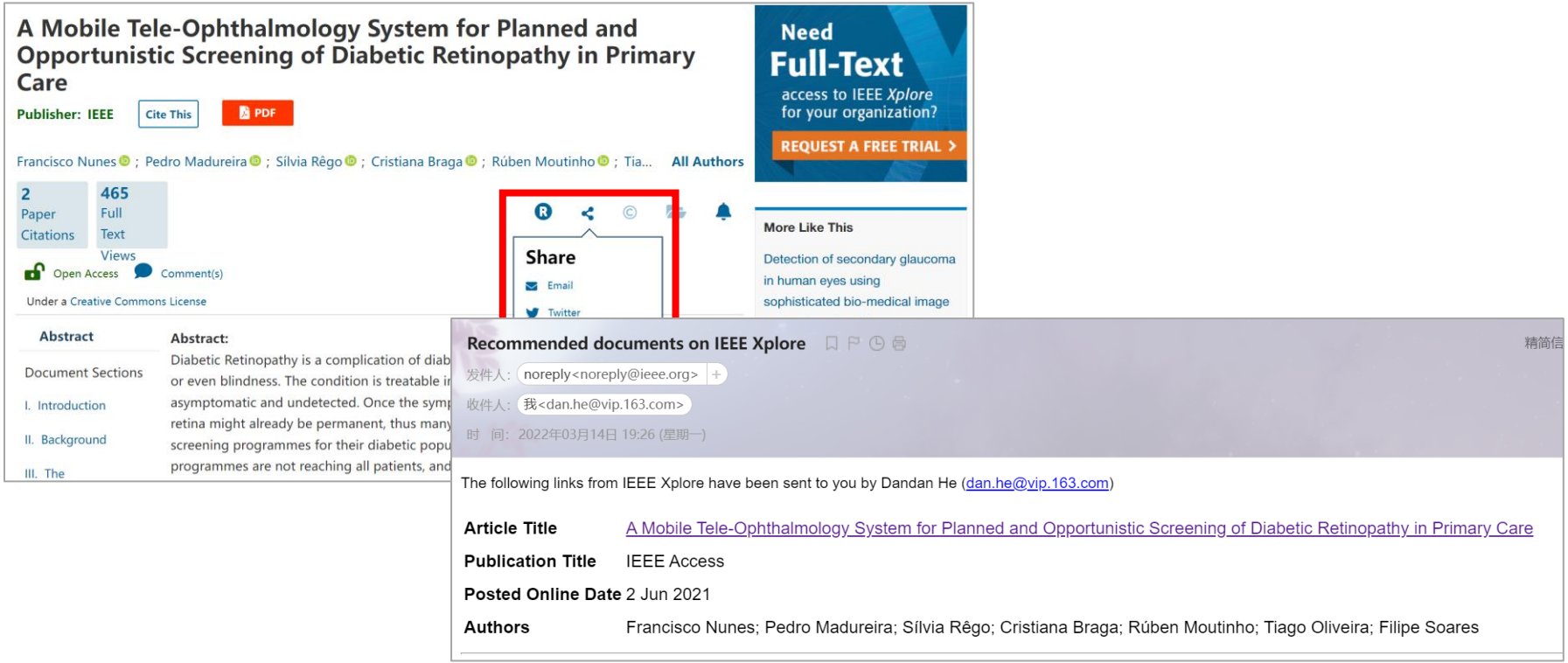

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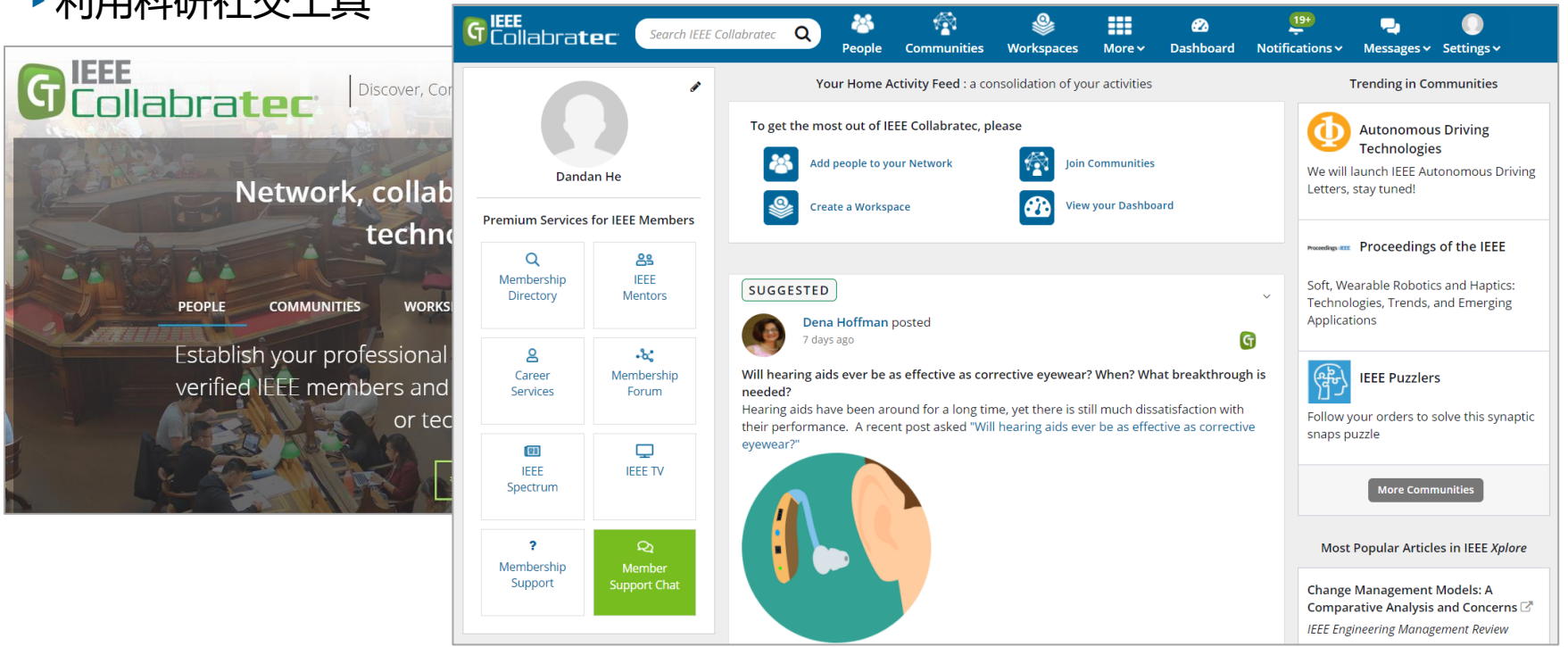

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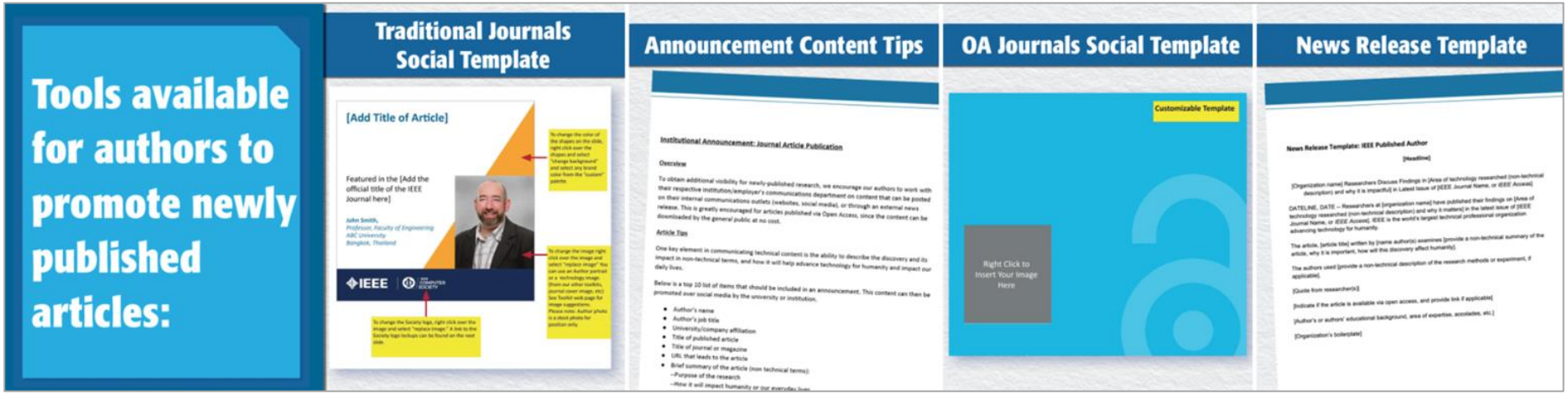

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