

## 日本の学会における英文オープンアクセス誌 —OA誌としての体裁改善を越えた先のオープンデータ

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NOLTA, IEICE 編集委員長

## **Open Access Journals in English Published by Academic Societies in Japan - Improvement as an OA journal presence and Open Data**

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**Editor-in-chief NOLTA, IEICE**

- 電子情報通信学会

- 1911年設立, いくつかの名称変更を経て, 現在の名称は1987年
- 会員: 23,000名, ソサイエティ・グループ: 6
- 論文誌

- 和文誌      A 基礎境界, B 通信, C エレクトロニクス, D 情報システム
- 英文誌      EA Fundamentals, EB Communications, EC Electronic, ED Information and Systems

- **オープンアクセス英文誌**



1. IEICE Electronics Express (ELEX) 2004年創刊
- 2. Nonlinear Theory and Its Applications (NOLTA), IEICE 2010年創刊**
3. IEICE Communications Express (ComEX) 2012年創刊



- The Institute of Electronics, Information and Communication Engineers (IEICE)
  - Established in 1911. After being changed several times, the current name was settled in 1987.
  - 23,000 members, 6 society groups
  - Academic Journals
    - Japanese journals
      - A 基礎・境界 (Engineering Sciences Society) , B 通信 (Communications) , C エレクトロニクス (Electronics) , D 情報システム (Information Systems)
    - English journals
      - EA Fundamentals, EB Communications, EC Electronic, ED Information and Systems
    - **Open Access English Journals**
      1. IEICE Electronics Express (ELEX) First published in 2004
      2. **Nonlinear Theory and Its Applications (NOLTA), IEICE First published in 2010**
      3. IEICE Communications Express (ComEX) First published in 2012

- 電子情報通信学会NOLTAソサイエティ(NLS)の旗艦誌
  - 非線形科学における学際領域の広い分野をカバー
- 季刊誌： 年4回発行
- 種別：論文，解説（査読つき，編集者＋査読者2名）
- スタイル：英文，シングルカラム，**最大30ページ**
- APC: 62,857円（学会会員），68,095円（会員外）
- 国際編集体制：**44名の国外編集委員**
- ソサイエティ内の研究専門委員会・研究会と強い結びつき

# Nonlinear Theory and Its Applications **NOLTA, IEICE**

- Flagship journal of the Institute of Electronics, Information and Communication Engineers NOLTA Society (NLS)
  - Covering a wide range of interdisciplinary areas in nonlinear science
- Quarterly: Published 4 times a year
- Type: Academic article, Commentary (peer-reviewed, an editor + 2 reviewers)
- Style: English, Single Column, **Up to a maximum of 30 pages**
- APC: 62,857 yen (for members), 68,095 yen (for non-members)
- International Editorial Structure: **44 Overseas Editorial Board Members**
- Strong ties with the society's technical committees and research groups

- 創刊時の準備
  - 公開プラットフォーム：**J-STAGE**
  - IEICEの既存査読システムを利用． **説明可能性・透明性確保**
  - DOI対応：Data agency: Crossref **到達可能性確保**
- その後の改善 → レピュテーションを上げたい
  - Web of Science (Clarivate) ESCI (Emerging Source Citation Index) に選定 (2015年)
  - ORCID の義務化を実施  (2018年)
  - **CreativeCommons対応：CC-BY-NC-ND (2022年)** 
  - ESCI誌全てにJournal Impact Factorが付与(2023年5月)

- Preparation for the first issue
  - Publication platform: **J-STAGE**
  - Use of IEICE's existing peer-review system. **Ensuring Explainability and Transparency**
  - DOI: Data agency: Crossref. **Ensuring reachability**
- Subsequent improvements → To enhance reputation of the journal
  - Indexed in Web of Science (Clarivate) and ESCI (Emerging Source Citation Index) (2015)
  - Mandated that researchers obtain ORCID  (2018)
  - **Applied a Creative Commons License: CC BY-NC-ND (2022)** 
  - All ESCI journals received Journal Impact Factor (May 2023)



- データベース収載・評価インデックス
  - 努力なしにはなかなか得られない
  - 国際シンポジウム等の連動企画としての特集号においては、これらが無いことで**投稿に二の足を踏む外国人が多かった**…外国人著者も漸減
  - 創刊6年めでScopusには挑戦したが見事に玉砕

## Nonlinear Theory and Its Applications, IEICE

Published by [The Institute of Electronics, Information and Communication Engineers](#) 

JOURNALS

PEER REVIEWED

FREE ACCESS



JOSS2025

J-STAGE的にも  
長年、Open Access  
表示ではなかった！



- Database Indexing and Evaluation Indicators
  - Not easily attained without considerable effort
  - In special issues linked to international symposiums, the absence of such features **discouraged many international researchers from submitting their works.** As a result, the number of foreign authors has gradually declined.
  - We challenged Scopus inclusion in our six<sup>th</sup> year since its launch —but failed.

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JOSS2025

On the J-STAGE website,  
there was no label  
of “Open Access”!



- 何らかの評判改善になればと、JST主催ジャーナルコンサルティングに応募，採用される。
  - INLEXIO(AU) によるコンサルテーション
- 主な内容：**真のOA誌としての体裁を整えるよう**，  
IFA(information for authors) 改定，ウェブコンテンツ改善を実施
  - 初期診断で，IFA内容 **42項目/74項目**，ウェブ **14項目/35項目**，PTBPSP **35項目/90項目**の要修正診断あり→逐次修正
  - IFAドラフトをINLEXIOから受け，NOLTA側で対応を協議．取捨選択・カスタマイズ情報などを，IFAドラフトの校正欄で交換
  - 2024年春にコンサル終了．編集会議も通して新しいIFA，ウェブ等をリリース

# Improving the Format as an OA Journal **NOLTA, IEICE**

- Hoping to improve the journal's reputation, we applied for and were accepted into a journal consulting program organized by JST.
  - Consultation provided by INLEXIO (AU)
- Details of consulting: To organize the format of NOLTA as an Open Access Journal in the true sense, we revised IFA (Information For Authors) and improved website content
  - Initial assessment indicated that **42 out of 74** IFA items, **14 out of 35** website items, and **35 out of 90** PTBPSP items needed improvement → subsequently revised.
  - When a draft of the IFA was received from INLEXIO, we discussed internally. We selected and customized INLEXIO's suggestions and exchanged information via proofreading comment section of the IFA draft.
  - The program was concluded in spring 2024, and the new IFA, website content, etc., were released after approval by the editorial board.

# 研究倫理関係がなにせ、弱かった

- そもそもOpen Access に足る条件を具備していなかった
  - 倫理方針が示されていない
  - 実際運用されているが、IFAには記載がないもの等々…
- **幸いにも倫理関係に関する重大なトラブルは過去には無かった**
  - NOLTAな著者は真面目？
  - 気づいてないだけかも
  - 今後は**生成AIに関する脅威**への対応が必須となる


AIMS & SCOPE	
JOURNAL POLICIES	
Authorship	
Animal/human experimentation incl informed consent	
Originality	
Data falsification, data fabrication and image integrity	
Preprints	
Scooping	
Reproducing copyrighted material	
Availability of data and materials/Research Data Policy	
Conflicts of interest	
Confidentiality	
EDITORIAL AND PEER REVIEW PROCESS	
Acceptance criteria	
Reviewer selection, timing and suggestions	
Reviewer reports	
Editorial decisions	
Editorial independence	
Editor confidentiality and conflicts of interest	
Editors as authors in the journal	
Appeals and complaints process	
Corrections policy: errata, corrigenda and retractions	
Responding to potential ethical breaches	
Long-term digital archiving	
OPEN ACCESS / PUBLICATION MODEL AND CHARGES	


# Research Ethics: Our Weakest Point

- NOLTA did not meet essential requirements for Open Access.
  - Ethical policy was not clearly stated
  - Some policies were implemented but not documented in IFA, etc.
- **Fortunately, no major ethical incidents have occurred in the past.**
  - Perhaps NOLTA authors are genuinely responsible?
  - Or perhaps we simply haven't noticed...
  - Going forward, **addressing threats related to generative AI** will be necessary.

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- 新規追加項目
  - Acknowledgments, Data availability, Funding, Conflicts of interest, Author contribution, Ethics approval and consent to participate, Patient consent for publication, **Artificial intelligence tools**
- DOAJに申請, 採択される (2024/08)  **DOAJ**
- 勢いをもってScopus再申請の準備を開始 (9年ぶり), データを集めて**カバーレター**を編纂, 申請完了 (2024/11)
- **Scopus 登載通知を受領** (2025/04)
  - JIF, DOAJ, COPE準拠などがよい影響となったと思われる

- Newly added items:
  - Acknowledgments, Data availability, Funding, Conflicts of interest, Author contribution, Ethics approval and consent to participate, Patient consent for publication, **Artificial intelligence tools**
- Applied to DOAJ and was accepted (August, 2024)  **DOAJ**
- Started to prepare a re-application to Scopus with strong momentum (after 9 years), collected data and compiled a **cover letter**, and completed the application (November, 2024)
- **Received official notification of Scopus indexing** (April, 2025)
  - JIF, DOAJ, and COPE compliance seem to have had a positive impact.



## Nonlinear Theory and Its Applications, IEICE

Nonlinear Theory and Its Applications, IEICE (NOLTA) is an all-electronic open access journal published quarterly by the Institute of Electronics, Information and Communication Engineers  
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Published by [The Institute of Electronics, Information and Communication Engineers](#) 

JOURNAL

PEER REVIEWED

OPEN ACCESS

DOAJ

SCOPUS

まだ残された問題点

- 全文HTML化による  
多言語対応
- 早期公開機能実装
- (それに伴うコスト  
増)
- COPE加入

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SCOPUS

Remaining Issues:

- Multilingual support through full-text HTML conversion
- Implementation of Early Online Publication function  
*(with associated increase in costs)*
- Become a COPE member

- 日本の工学系ジャーナルでは、まだオープンデータの取り扱いについて積極的な雑誌は少ないのではないかと  
– あまりプレプリント文化も浸透していない…
- NOLTAでは、ジャーナルコンサルティング前にJ-STAGE DATAの利用を検討。 **運用に入っていない。**
- 論文の採録決定後、改めて希望する著者はデータについて査読を受けることができる、という方向でIFAに入れる予定  
– 既掲載の論文では、研究データを示す場合は Data availabilityの項目で**他のデータリポジトリへのDOI**を示す例がある

# Support for Open Data is still to come... **NOLTA, IEICE**

- It seems that few journals relating to engineering in Japan actively promote the handling of Open Data
  - A culture of preprint is also not widely adopted...
- NOLTA had considered implementing J-STAGE Data before participating in the journal consulting program, **but it has not been implemented yet.**
- The IFA will be updated to allow authors who wish to include data to submit it for peer review after the article has been accepted for publication.
  - For published articles, some authors have included **DOIs to external data repositories** under the “Data availability” section.

- オープンアクセスによる成果の可視化, 連動した新たな応用を惹起させるのは学会・出版の役割
- OA誌はCOPE準拠で体裁は整える必要あり
- NOLTAは体裁は整ったので, よい企画の立案しつつも投稿数の増加を期待する
- OA (もしくはデータ) 出版・可視化, その引用というサイクルでオープンサイエンスに資するとともに, 雑誌のレピュテーションを改善してゆく

- The role of academic societies and publications is to increase the visibility of the research outputs and to stimulate new applications through Open Access (OA).
- OA journals need to be properly structured in accordance with COPE standards
- NOLTA now has a fully established format. We aim to develop attractive proposals while expecting an increase in submissions
- The cycle of Open Access (or Data) publishing, visualization, and citation will contribute to open science and improve the reputation of the journal

# 実は前年度に別の和文誌で…

- 大学ICT推進協議会の論文誌（和文）学術情報処理研究 (JACN) にてジャーナルコンサルティングを受けた
- ほぼ全面的にJST提示のIFA原案を受け入れて，編集委員会で審議のうえ運用開始
- DOAJの申請においては，痛恨のウェブコンテンツリンク切れにより一旦不採録😭翌年再チャレンジの末に収載
- この経験はNOLTAに役に立った
- こちらはJ-STAGE DATA利用はIFAにも書いてあるが（論文採録後にあらためて希望があればデータを査閲） **実績なし**



# In fact, in another Japanese journal in the previous year ...



- Received a journal consulting service provided by JANC of the Council for the Promotion of University ICT
- Almost entirely accepted the IFA draft presented by JST, and the Editorial Committee deliberated on it before putting it into operation.
- In the process of DOAJ application, it was rejected due to a broken web content link, which was a deep regret, and after a second attempt the following year, NOLTA was listed in DOAJ
- This experience was useful for NOLTA
- Although use of J-STAGE Data is described in the IFA (if there is a request after acceptance of articles, the data will be peer-reviewed), **we have achieved nothing for J-STAGE Data**



