Slide 1

How we pave the way of ^{NIMS}eSciDoc?

—A user's opinion

S. Todoroki

Optronic Materials Center
NIMS

NIMS Digital Library
e SciDoc
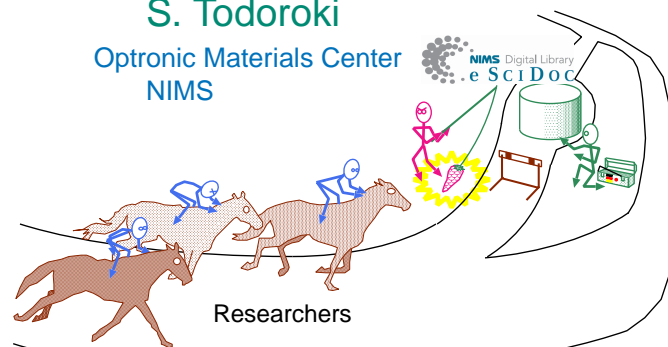
Researchers

Slide 1

Slide 3
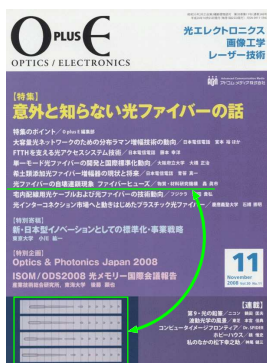
Self-introduction   S. Todoroki

- Research on optical fibers ⟵ Minor but Important
- Self-archiving @ geocities.com/Tokyo/1406 (2000–)
  @ YouTube.com/tokyo1406 (2006–)
- Writing readings for researchers @ Scribd
- T$_E$Xnician, Rubyst, Debian GNU/Linux user
  ⟹ I ♡ Free Software ⟶ I ♡ Open Access
- First tester of NIMS Digital Library eSciDoc (2008/9–)

Slide 3

Slide 2

Self-introduction   S. Todoroki

- Research on optical fibers ⟵ Minor but Important

O PLUS E
OPTICS / ELECTRONICS

光エレクトロニクス
画像工学
レーザー技術

[特集]
意外と知らない光ファイバーの話

特集のポイント／『o plus E 編集部
大容量光ネットワークのための分布ラマン増幅技術の動向／日本電信電話 宮本 裕 ほか
FTTHを支える光アクセスシステム技術／日本電信電話 藤本 幸洋
単一モード光ファイバーの開発と国際標準化動向／大阪府立大学 大橋 正治
希土類添加光ファイバー増幅の現状と将来／日本電信電話 増田 浩一
光ファイバーの自壊連鎖現象 ファイバーヒューズ／物質・材料研究機構 轟 眞市
宅内配線用光ケーブルおよび光ファイバーの技術動向／フジクラ 前川
光インターコネクション市場へと動きはじめたプラスチック光ファイバ／慶應義塾大学 石榑 崇明

[特別寄稿]
新・日本型イノベーションとしての標準化・事業戦略／東京大学 小川 紘一

[特別企画]
Optics & Photonics Japan 2008
ISOM／ODS2008 光メモリー国際会議報告／産業技術総合研究所、青淳大学 田淵 麻由

[連載]
夏9・光の教室／博庵 哲夫
波動光学の風景／浜松ホトニクス
コンピュータ・レージフロンティア／Dr. SPIDER
お化ーハウス／廣 博宣
私のなかの松下幸之助／神楽 晃佑

11
November
2008 Vol.30 No.11

Last issue
13500 copies

Fiber fuse

—Chained
self-distruction
of optical fibers

Slide 2

Slide 4

OVERVIEW

How we pave the way of NIMS eSciDoc? –A user's opinion

More about myself

Why am I eager for self-archiving?

Carrots in front

How we promote submission by users?

Win-win strategy

What is the next step for each of them?

Slide 4

Slide 5

More about myself

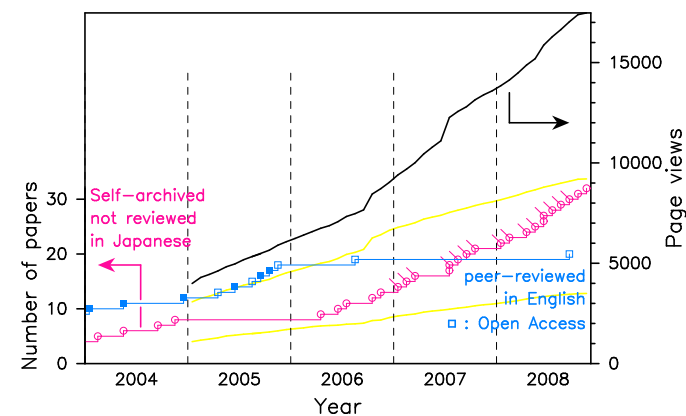Why am I eager for self-archiving?

Its effect during the past 4 years is reported.

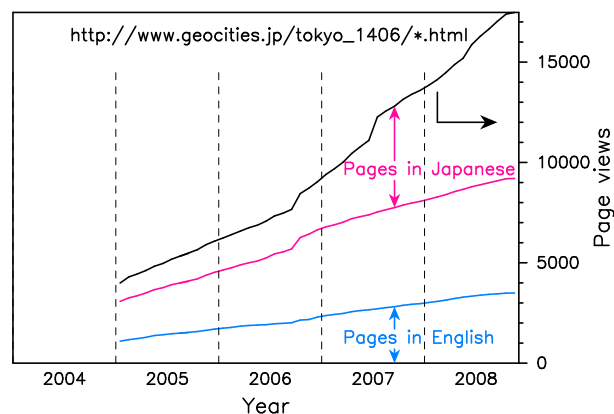**e-Publishing**

Japanese translation

English translation

Slide 5

Slide 6

e-Publishing   Homepage for providing PDF files

http://www.geocities.jp/tokyo_1406/*.html

Pages in Japanese

Pages in English

Page views

Year

Slide 6

Slide 7

e-Publishing   PVs increase with domestic papers

Number of papers

Self-archived not reviewed in Japanese

peer-reviewed in English

□ : Open Access

Page views

Year

Slide 7

Slide 8

e-Publishing   Contribution to a domestic bulletin

'07/7/1 in print (5880 copies)

セラミストのための知恵袋
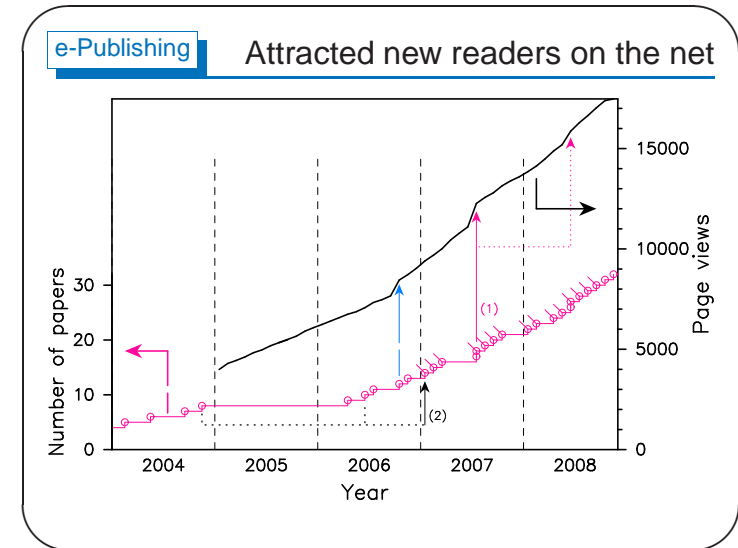研究業績リストの電子化
―研究者のための執筆・発表支援システム―

轟 眞市

Postprint on line at the same time

"Manuscript writing support system for researchers based on hypertext list of their achievements"

using BIBT$_E$X & Ruby

Slide 8

Slide 9

Slide 11

Slide 10

Slide 12

Slide 13

Slide 15

Slide 14

Slide 16

Slide 17

Japanese translation   "peer-reviewed" propagation

Blog posts

ja.wikipedia.org

(3)

Number of papers — 0, 10, 20, 30

Page views — 0, 5000, 10000, 15000

Year — 2004, 2005, 2006, 2007, 2008

Slide 17

Slide 18

More about myself

Why am I eager for self-archiving?

e-Publishing

Attracts new readers even if non-reviewed & domestic.

Japanese translation

Also true for peer-reviewed English articles if translated.

English translation

Slide 18

Slide 19

English translation   2 articles on domestic journals

'05/5/15 → '06/4/1 '06/11/29 → '07/3/15 →
Invited talk   Part 1   You Tube upload   Part 2
@ Russia   in print   in print

- Invited after 2 serendipities

ICONO/LAT 2005
International Conference on Coherent and Nonlinear Optics
International Conference on Lasers, Applications, and Technologies
St. Petersburg, Russia, May 11-15, 2005

- News letter & Journal   • Video of experiments

電気ガラス・35号 工業材料

(3) Propagation in a macroscopic view
Laser power: 1MW/cm² (9W)
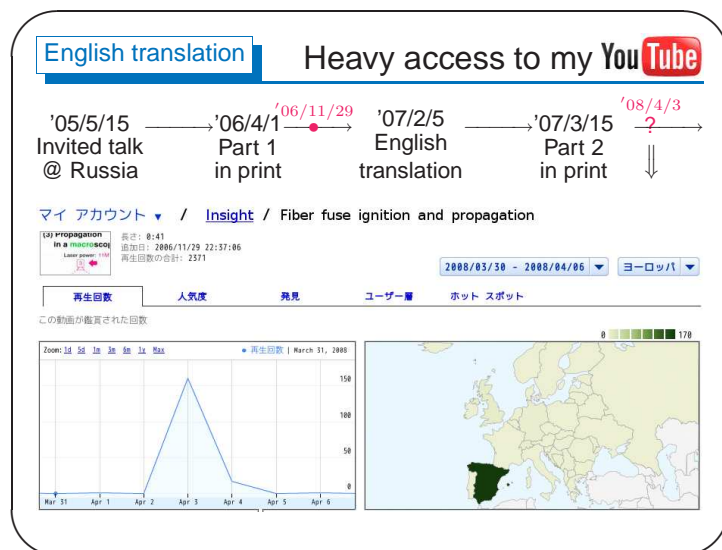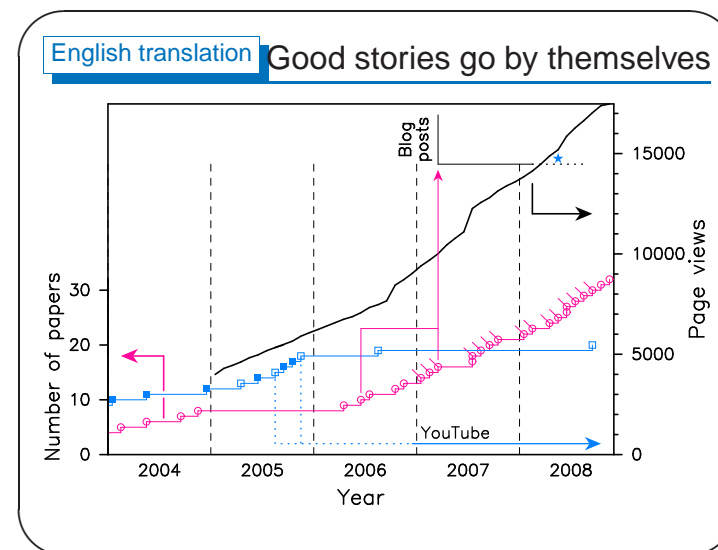1480nm Fiber Laser 3.5m 1m

Slide 19

Slide 20

English translation   A death notice cued me in

'05/5/15 → '06/4/1 '07/1/22 '07/2/5 → '07/3/15 →
Invited talk   Part 1   English   Part 2
@ Russia   in print   translation on line in print

File Edit View Document Tools Window Help

1 / 8   86.3%

Two serendipitous episodes
— How I embarked on fiber fuse research —

S. Todoroki*

February 5, 2007

Episode I

Early afternoon in Stockholm

I participated in the European Conference on Optical Communication held in September 2004. After
having lunch at a sushi bar popular with some locals, I checked the conference notice board and was
greatly surprised. My paper had unexpectedly been accepted as a postdeadline paper [1]. "Those

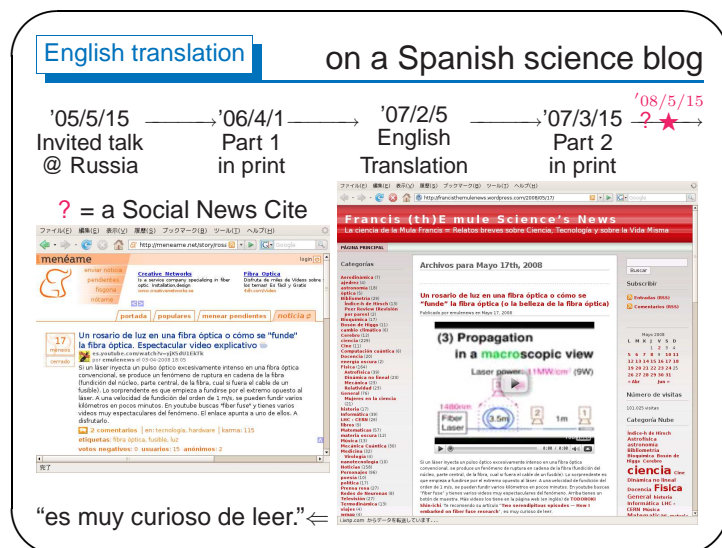"I have red it with great interest."

Slide 20

Slide 21

Slide 23

Slide 22

Slide 24

OVERVIEW

How we pave the way of NIMS eSciDoc? –A user's opinion

More about myself

Self-archiving is a path beyond my specialist area.

Carrots in front

How we promote submission by users?

Win-win strategy

What is the next step for each of them?

Slide 25

Carrots in front

How we promote submission by users?

Top-down approach

Rewards for submission

Greener grass effect[†]

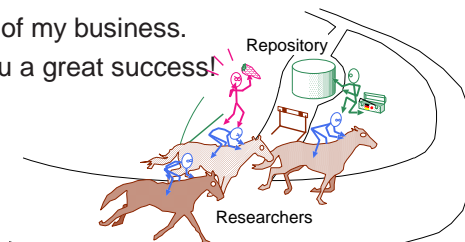[†]The **grass** is always **greener** on the other side of the fence.

Slide 27

Background   Ordinary researchers' awareness

- What is **institutional repository**?

- I'm happy with e-Journals. What else do I need?

- OK, here's my list. Could you submit them for me?

- $\Longrightarrow$ It's none of my business.
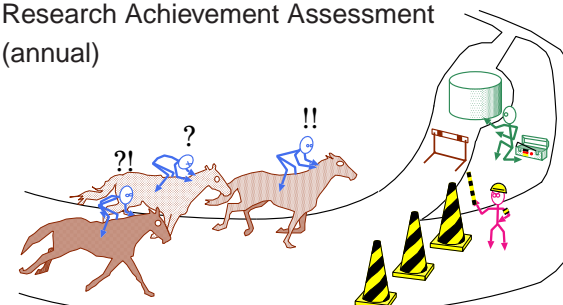 I wish you a great success!

  Repository

  Researchers

Slide 26

Top-down approach linking performance appraisal

- Application for the Release of Research Products (any time)

- $\Longrightarrow$ Research Achievement Assessment (annual)
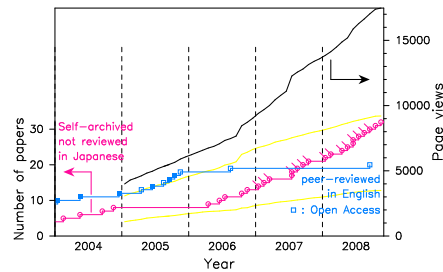
?!   ?   !!

Slide 28

Rewards for submission   Access Statistics

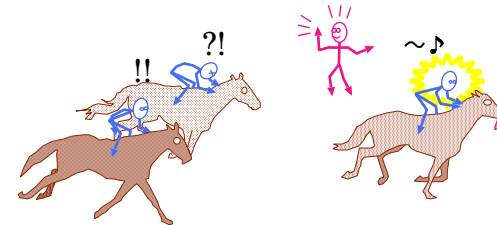- Time-series & total amount for each user

- Time-series & country by country, like You Tube

Slide 29

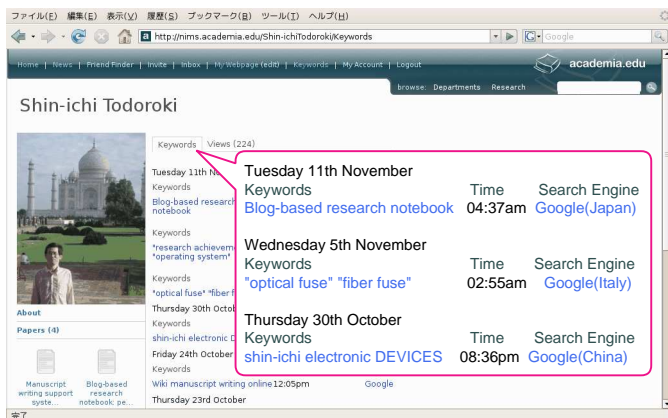Greener grass effect   Show old users' cases

- People never act without knowing its profit
- $\implies$ Change their idea: "**Waste of time**"
- Let them read the collections in their mother tongue
- $\implies$ Once knowing its value, they will sumbit articles.

Slide 31

Rewards for submission   List of search queries

Slide 30

Carrots in front

How we promote submission by users?

Top-down approach

"No submission, Nothing evaluated" policy urges them.

Rewards for submission

Detailed statistics of page views are good incentives.

Greener grass effect

Practical cases using domestic articles stimulate them.

Slide 32

OVERVIEW

How we pave the way of NIMS eSciDoc? –A user's opinion

More about myself

Self-archiving is a path beyond my specialist area.

Carrots in front

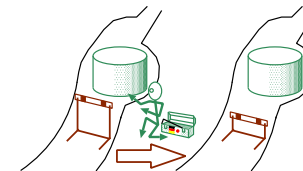*Page view statistics & users' stories attract new users.*

Win-win strategy

What is the next step for each of them?

Slide 33

Win-win strategy

What is the next step for each of them?

System developers

Researchers

Librarians

Slide 34

System developers

- Minimize the tasks of researchers & librarians
- $\Longrightarrow$ Input once and all
- $\Longrightarrow$ Affiliations: present and has-been
- $\Longrightarrow$ Describablity of related items (translation, serial)

- Provide API for customizing original webpages
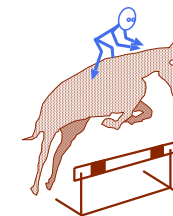- $\Longrightarrow$ Automatic homepage generation
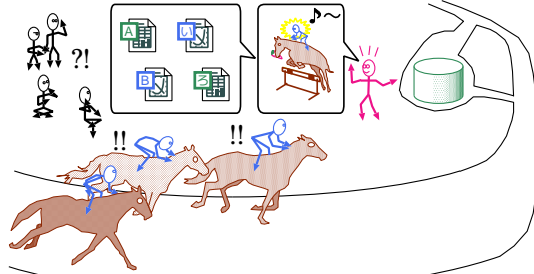
Slide 35

Researchers

- Disseminate your off-line work through eSciDoc
- $\Longrightarrow$ e-Publication attracts additional readers

- Submit domestic articles w/o peer-review
- $\Longrightarrow$ Easy to find response on the net

Slide 36

Librarians

- Find examples of usage & show them to other users

- Exhibit collections from a viewpoint of curators

Slide 37

Learn from traditionals   Kawasaki library's case

- Exhibition of "serendipity" containing my article

51 books & 19 articles
2007 5/11– 6/13

Slide 38

Expectations   Catch up with / Beyond e-Journals

- Cross reference

- Related documents, Alert on new submission

- Management of achievements / related papers

- Rapid release of new services based on open source software

Slide 39

Win-win strategy

What is the next step for each of them?

System developers

Reduce the others' tasks to enrich their outputs.

Researchers

Use it as a new path to disseminate their achievements.

Librarians

Exhibit collections to enhance submission & usage.

Slide 40

SUMMARY

How we pave the way of NIMS eSciDoc? –A user's opinion

More about myself

Self-archiving is a path beyond my specialist area.

Carrots in front

Page view statistics & users' stories attract new users.

Win-win strategy

Integrate each output to create new value of repository.

Slide 41

References   Available at   **NIMS** Digital Library **e S c i D o c**

1. S. Todoroki: "Manuscript writing support system for researchers based on hypertext list of their achievements" (2008). (Translated from *Ceramics Japan*, **42** [7] pp. 520–524 (2007)).

2. S. Todoroki, T. Konishi and S. Inoue: "Blog-based research notebook: personal informatics workbench for high-throughput experimentation", *Appl. Surface Sci.*, **252** [7] pp. 2640–2645 (2006).

3. S. Todoroki: "Two serendipitous episodes — How I embarked on fiber fuse research" (2007).

Slide 42