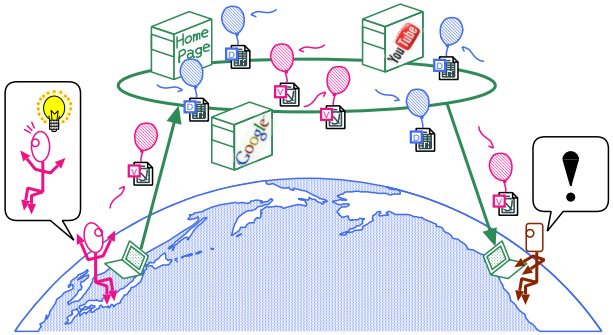
Publish your joy of research activities through self-archiving

S. Todoroki Optronic Materials RC/NIMS



Slide 1

Self-introduction — S. Todoroki

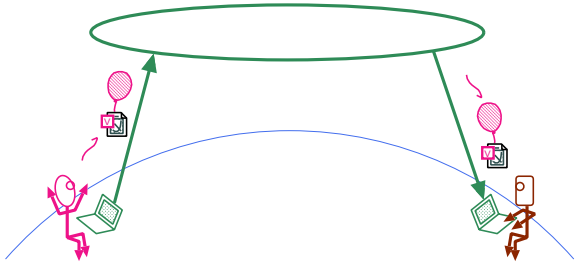
- Researching optical fibers (NTT⟶NIMS)
- Writing readings for researchers
  ⟹ http://www.geocities.jp/tokyo_1406/
- TEXnician, Rubyst, Debian GNU/Linux user
- First tester of NIMS Digital Library .e SciDoc

Slide 2

Background — Dissemination from researchers?

We already have academic societies & journals for it!

What else do you need to say beside them?



Slide 3

Background — You must have some unpublished.

- Interesting episodes
  ⟹ Serendipitous research results
- Know-how about research activities
  ⇒ Electronified research notebook & publication list
  ⇑ not restricted to specific research fields & nationalities

Slide 4

OVERVIEW

Publish your joy of research activites through self-archiving

Serendipitous episodes

What do I want to tell besides academic info?

Self-archiving examples

What's the merit of this alternative media?

How-to & its pleasure

What is the ABC of self-archiving?

Slide 5

Serendipitous episodes

What do I want to tell besides academic info?

Trial to Principal

A salesperson gave me a ticket to a conference

Zen-driven evidence

Heaven helps my experiment to pass a peer review

How to call chances

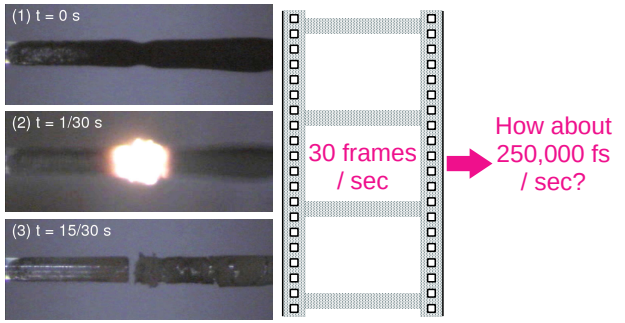
What lessons these episodes gave us?

Slide 6

Trial to Principal

Early summer in ’04

- A sales person saw my poster & offered the use of his brand-new camera.



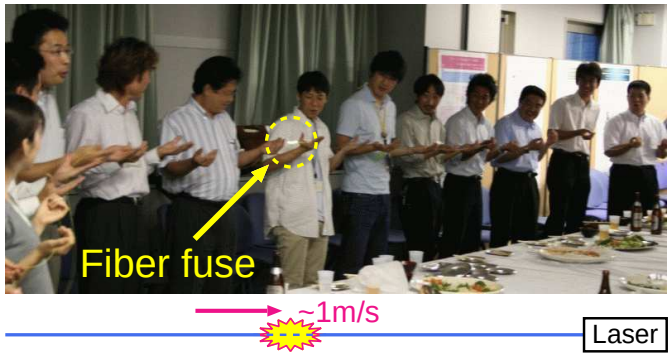
Optical fuse breakdown

Slide 7

Trial to Principal

Fiber fuse is more interesting!

- Continuous self-breakdown of optical fibers Video 1

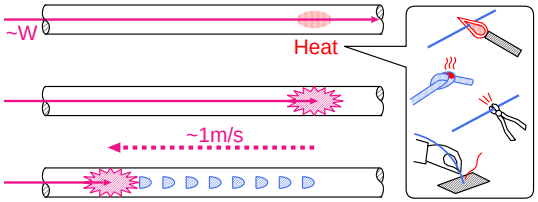


Slide 8

Background

Fiber fuse

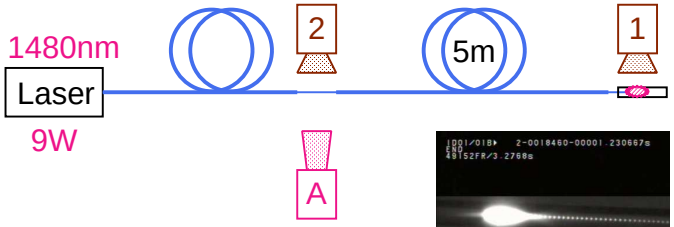
- Found in 1987
- Initiated by heat @ fiber propagating a-few-W light
- Periodic void formation



Slide 9

Trial to Principal

Demonstration: 4th Aug ’04



- Captured 3 times, but
- Over-exposed images due to too strong emission

Video 2

→ I don’t want to give up!

Slide 10

Trial to Principal

My earnest wish

- “Give me one more chance!
  I’ll submit a post-deadline paper
  if succeeded.”

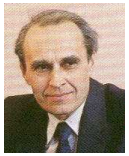
- “OK! The next week is our holidays.”

Slide 11

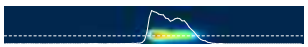
Trial to Principal

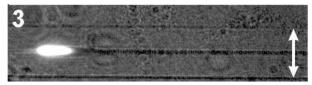
The result

- Accepted! Big surprise.
- Prof. Dianov: “What’s the new finding?”



- Outside the room:
  “Your paper didn’t gain high points
  but I insisted it be adopted in the committee”
- They published similar result 20 days later





Slide 12

Serendipitous episodes

What do I want to tell besides academic info?

Trial to Principal

Welcome the coming & speed up if it seems excellent.

Zen-driven evidence

Heaven helps my experiment to pass a peer review

How to call chances

What lessons these episodes gave us?

Slide 13

Zen-driven evidence

After that

’04 / 11 / 15 2nd Demo

11 / 23 Request for invited talk

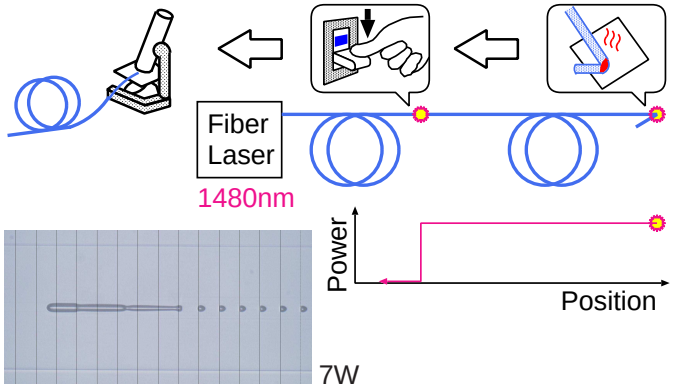
- Great camera!
  but how about me?
- Why bullet-like voids?

’05 / 5 / 15

Slide 14

Zen-driven evidence

Accidental discovery



Video 3

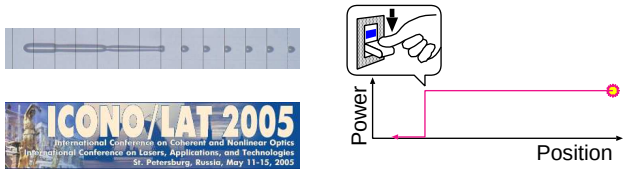
⟹submitted 1 month before the talk

Slide 15

Zen-driven evidence

A severe peer review

- “Show the decay time of pump laser.”



- “That camera will give me the solution!”

⟹ Sent an E-mail request

Slide 16

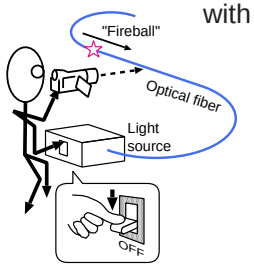
Zen-driven evidence

Allowed 2-hour experiment

5/6 — 11 — 15 — 26 — 6/5

Conference — Demo — Deadline

- Shot the quenching fuse manually with a precision of $\frac{1}{100}$ sec *or* my paper will be rejected!



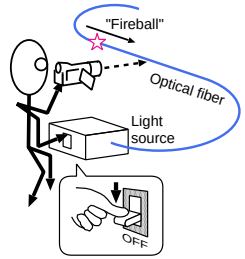
$\Longrightarrow$Practiced the fuse termination many times.

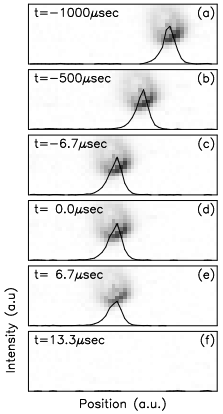
Slide 17

Zen-driven evidence

On the day

- Mind like water — free of anxiety
- After 6 trials & errors, ...





Slide 18

Serendipitous episodes

What do I want to tell besides academic info?

Trial to Principal

Welcome the coming & speed up if it seems excellent.

Zen-driven evidence

Just do what you should do on right time fearlessly.

How to call chances

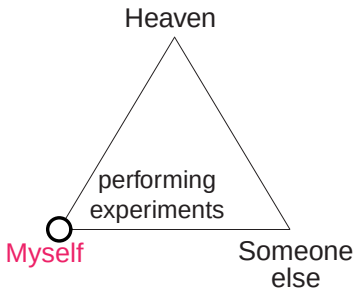
What lessons these episodes gave us?

Slide 19

How to call chances

Chance cause diagram

showing contribution of

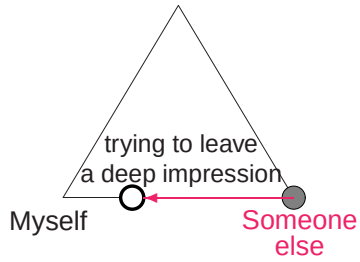


Slide 20

How to call chances

Someone else helps you if

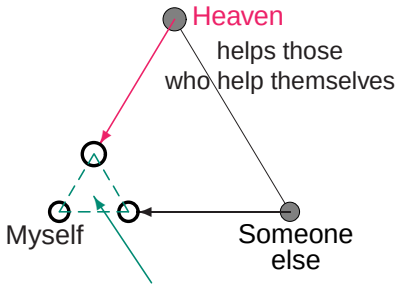
your papers & presentations are always prepared for



Slide 21

How to call chances

Once you practice these,



Chance favors the Prepared Mind.

(Louis Pasteur, 1822-95)

Slide 22

Serendipitous episodes

What do I want to tell besides academic info?

Trial to Principal

Welcome the coming & speed up if it seems excellent.

Zen-driven evidence

Just do what you should do on right time fearlessly.

How to call chances

Do by yourself, impress others, then heaven helps you.

Slide 23

OVERVIEW

Publish your joy of research activites through self-archiving

Serendipitous episodes

Living lessons should be shared beyond specialties.

Self-archiving examples

What’s the merit of this alternative media?

How-to & its pleasure

What is the ABC of self-archiving?

Slide 24

Self-archiving examples

What’s the merit of this alternative media?

YouTube Power

Can it help us to distribute academic information?

Beyond the barrier

Is it worth translating peer-reviewed papers?

Enhancing readership

Should we spend our precious time for it?

Slide 25

YouTube Power — Response of self-archiving

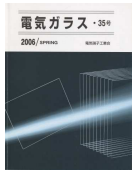
PDF files:	YAHOO! GEOCITIES	Counts
	’00 /12–	18,000 / 8y (html)
Demo video:	YouTube	’06 /12– 21,000 / 2y

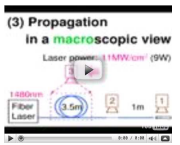
http://www.youtube.com/Tokyo1406

Slide 26

YouTube Power — After the invited talk

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



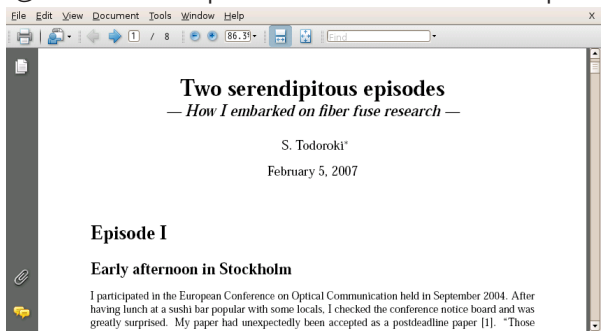


- wrote 2 articles for domestic journals

Slide 27

YouTube Power — A death notice cued me in

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



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

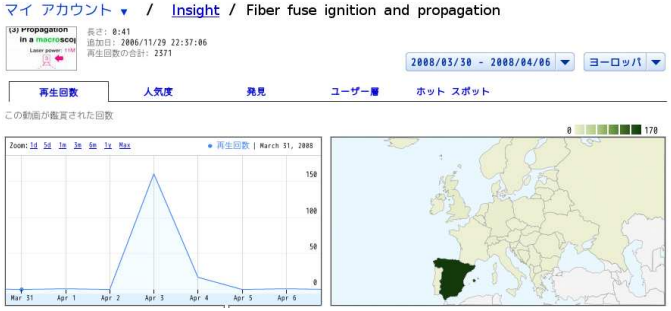
“I have read it with great interest.”

Slide 28

YouTube Power

Heavy access to my YouTube

’05/5/15 Invited talk @Russia → ’06/4/1 Part 1 in print (’06/11/29) → ’07/2/5 English translation → ’07/3/15 Part 2 in print (’08/4/3 ?) ⇓



Slide 29

YouTube Power

on a Spanish science blog

’05/5/15 Invited talk @Russia → ’06/4/1 Part 1 in print → ’07/2/5 English translation → ’07/3/15 Part 2 in print (’08/5/15 ? ★)

? = a Social News Cite

“es muy curioso de leer.”⇐

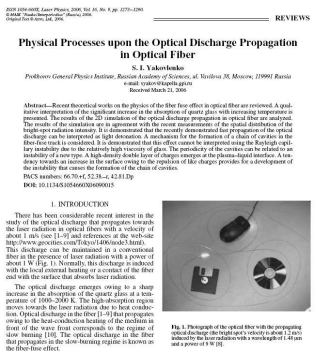
Slide 30

FYI

My video was cited in

- S. I. Yakovlenko, *Laser Physics*, **16** (2006) 1273 [Theoretical Physics]
- S. Ohmori(NICT), Talk in 2008 Taipei summit [Optical communication]

⇑ S. Todoroki, *Optics Express*, **13** (2005) 6381



Slide 31

Self-archiving examples

What’s the merit of this alternative media?

YouTube Power

Interesting short movies attract general readership

Beyond the barrier

Is it worth translating peer-reviewed papers?

Enhancing readership

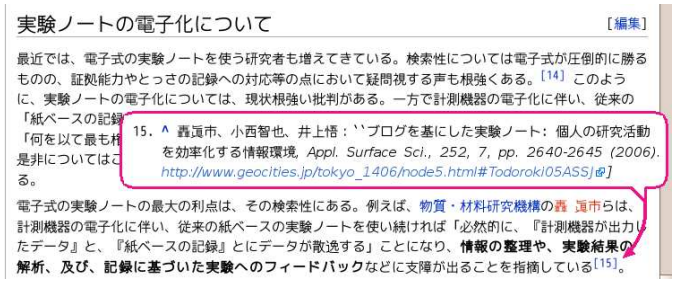
Should we spend our precious time for it?

Slide 32

Beyond the barrier

Self-archived paper was cited

added on ’07/10/21

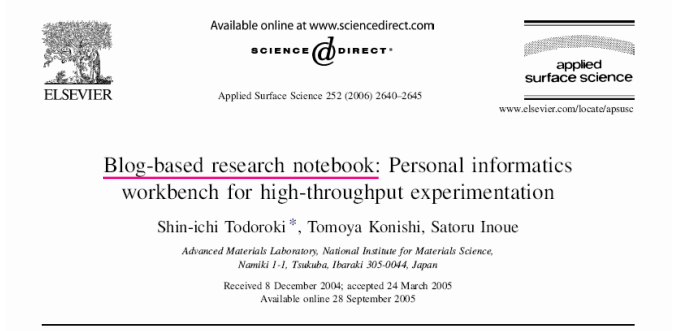


Slide 33

Beyond the barrier

Original peer-reviewed paper

’04/12/10 presented at an Int’l WS → ’05/9/28 on line → ’06/1/24 in print →



Slide 34

Beyond the barrier

Response from bloggers

’04/12/10 presented at an Int’l WS → ’05/9/28 on line 9/30 ★ → ’06/1/24 in print 1/27 2/4 ★ ★

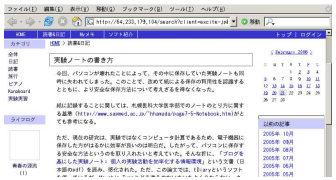
⟹ 11th in 1st quarter of ’06

Slide 35

Beyond the barrier

Translation attracts more

’04/12/10 presented at an Int’l WS → ’05/9/28 on line → ’05/10/5 Japanese translation on line 10/20 ☆ → ’06/4/20 ☆ ’07/1/21 ☆ →



⟹ appeared on ’07/10/21

⟹ ’08/5/25 a linguist’s blog

Slide 36

Self-archiving examples

What’s the merit of this alternative media?

YouTube Power

Interesting short movies attract general readership

Beyond the barrier

Blog & Wikipedia help to grow young readership

Enhancing readership

Should we spend our precious time for it?

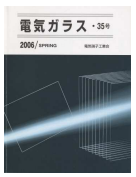
Slide 37

Enhancing readership — Domestic contributions

- Requested much, but not evaluated.
- Publish & self-archive attractive docs

at the same time

former examples:

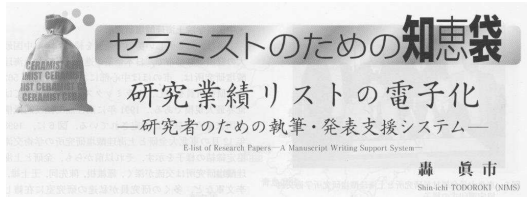


- PR & monitor their access counts

Slide 38

Enhancing readership — A domestic bulletin

’07/7/1 in print (5880 copies) → → →



Postprint on line at the same time

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

using BIBTEX& Ruby

Slide 39

Enhancing readership — Notice to TEXnicians

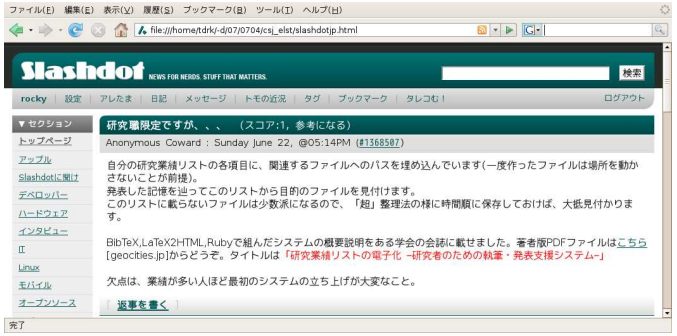
’07/7/1 in print (5880 copies) → ’07/7/2 Announce +700 views on Wiki →

Slide 40

Enhancing readership

”How to organize e-files”

’07/7/1 in print (5880 copies) → ’07/7/2 Announce on Wiki → ’08/6/22 Post +200 views on a news site

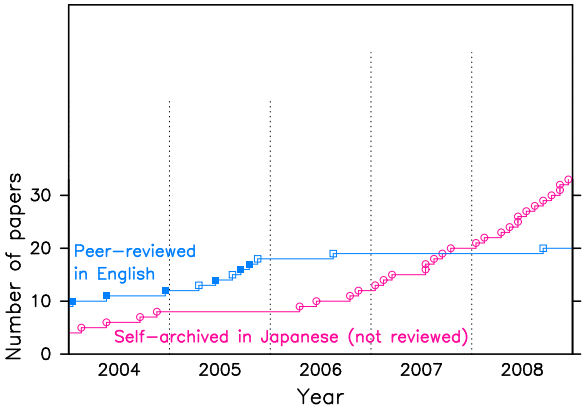


Slide 41

Enhancing readership

Number of publication

Papers of first authorship (’95–)



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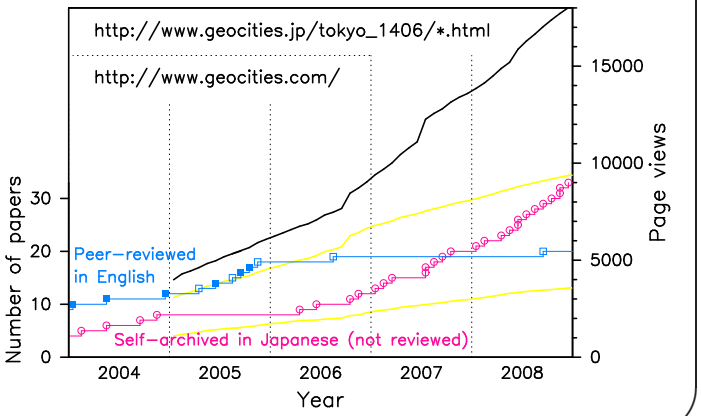
Enhancing readership

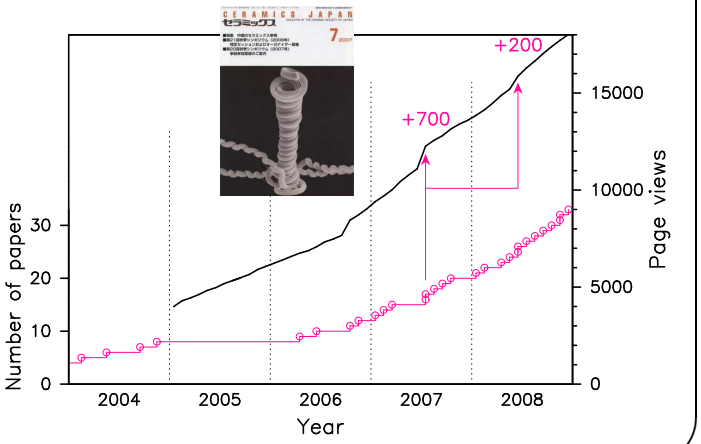
PV & domestic papers



Slide 43

Enhancing readership

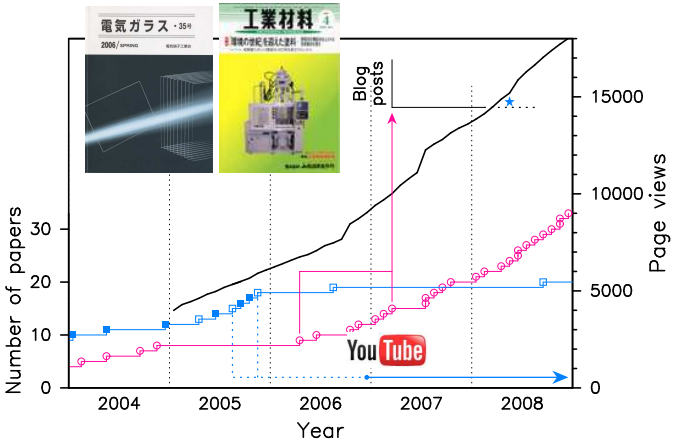
PR on the net calls readers



Slide 44

YouTube Power

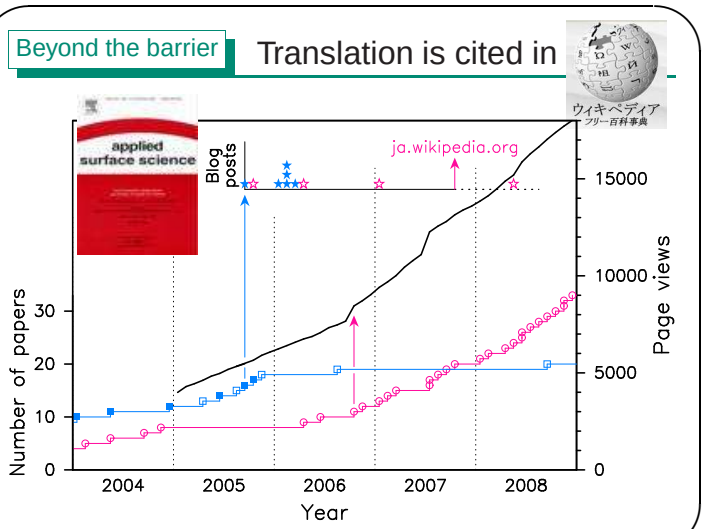
Good stories go by themselves



Slide 45

Beyond the barrier

Translation is cited in



Slide 46

Self-archiving examples

What’s the merit of this alternative media?

YouTube Power

Interesting short movies attract general readership

Beyond the barrier

Blog & Wikipedia help to grow young readership

Enhancing readership

Simultaneous self-archiving & PR save time & labor

Slide 47

OVERVIEW

Publish your joy of research activites through self-archiving

Serendipitous episodes

Living lessons should be shared beyond specialties.

Self-archiving examples

Readership was expanded outside academic societies

How-to & its pleasure

What is the ABC of self-archiving?

Slide 48

How-to & its pleasure

What is the ABC of self-archiving?

Sites for publishing

To find response

Chain reaction

Slide 49

Sites for publishing

- Institutional repository
- Social publishing site

Slide 50

Sites for publishing

Precautions for uploading

- Is the file allowed to publish?
- Publish as soon as possible
- Schedule this step into your submission process
- Write it to leave a deep impression to readers

Slide 51

How-to & its pleasure

What is the ABC of self-archiving?

Sites for publishing

IR is good for accumulation, SPN for circulation

To find response

Chain reaction

Slide 52

To find response

Auto collection of access logs

Scribd

01/03	07:11	53	69	94	86	104	102	94	186	102
PR on the net>		.	.	2	86	.	.	1	.	.
	17:06	53	69	96	172	104	102	95	186	102
		1	.	1	63	.	.	.	.	2
	23:55	54	69	97	235	104	102	95	186	104
		.	.	.	27	2	.	.	.	.
01/04	06:51	54	69	97	262	104	102	95	186	104
		.	1	.	41	.	1	.	1	2
	17:23	54	70	97	303	104	103	95	187	106
		Tw	Ma	Bl	Jp1	Jp2	Jp3	Jp4	Jp5	Jp6

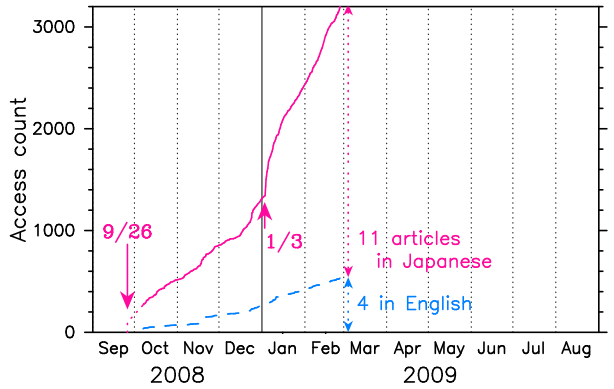
Jp1: Presentation tech. to enhance your serendipity, (2007)

Slide 53

To find response

Auto compilation of access logs

Scribd



Slide 54

To find response

Google Alerts

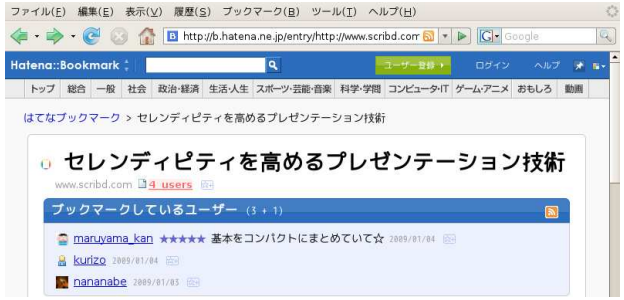
- Discovery of the Spanish science blog

Slide 55

To find response

Google Alerts

- Discovery of shared online bookmark



Presentation tech. to enhance your serendipity, (2007)

Slide 56

How-to & its pleasure

What is the ABC of self-archiving?

Sites for publishing

IR is good for accumulation, SPN for circulation

To find response

Automatic log analysis & notification of being linked

Chain reaction

Slide 57

Chain reaction — Discussion over blog & trackback

Paper “Blog-based research notebook”

→ trackback

4 comments

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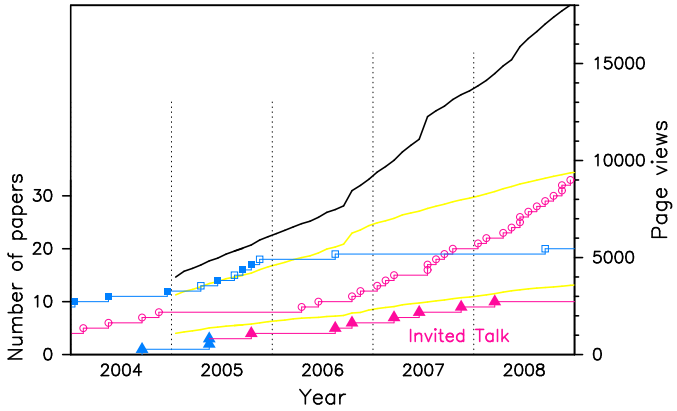
Chain reaction — Request for invited talk (▲)



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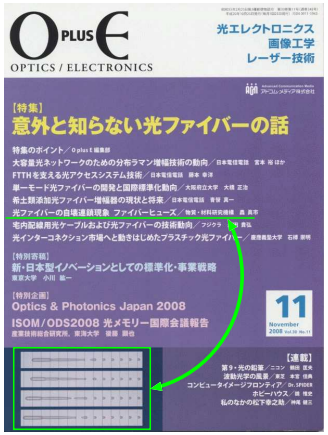
Chain reaction — Request for contribution



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Optical Society of Japan ’01

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How-to & its pleasure

What is the ABC of self-archiving?

Sites for publishing

IR is good for accumulation, SPN for circulation

To find response

Automatic log analysis & notification of being linked

Chain reaction

Personal contacts have been developed on the net

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SUMMARY

Publish your joy of research activites through self-archiving

Serendipitous episodes

Living lessons should be shared beyond specialties.

Self-archiving examples

Readership was expanded outside academic societies

How-to & its pleasure

Publish at the earliest & run automatic response monitor

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References

Serendipitous episodes

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2. S. Todoroki: “Two serendipitous episodes – How I embarked on fiber fuse research”, (2007).
3. S. Todoroki: “Make the best use of your serendipity by inspiring others through your work”, (Translated from OYO BUTURI, 78 [7] pp.xx-xx, 2009, in preparation).

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Self-archiving examples

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2. S. Todoroki: “How we pave the way of NIMS eSciDoc? —a user’s opinion”, The 2008 Scientific Information Open Summit: Forum 27-18, Yokohama, JAPAN (2008).

※ Available from: NIMS Digital Library e SciDoc http://pubman.mpdl.mpg.de/

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