

ATYPON

# WebinarSeries

## Deepening Readers' Engagement with Your Content

6 ways to make your website stickier:  
A case study in site consumerization

**Paul Guinnessy**

Manager, Digital Assets

*AIP / Physics Today*

August 7, 2019

PHYSICS TODAY





## Our mission

To be a unifying influence for the diverse areas of physics and the physics-related sciences through high-quality, engaging, authoritative content, and a forum for the exchange of ideas within the community.

PHYSICS TODAY



A

6

**Six ways we use  
Literatum to make our  
website stickier**

# A A case study in site consumerization



- 1 Multiple product types
- 2 Multiple content types
- 3 Targeted notifications of content updates
- 4 Content personalization
- 5 Enhanced onsite discovery
- 6 Responsive design



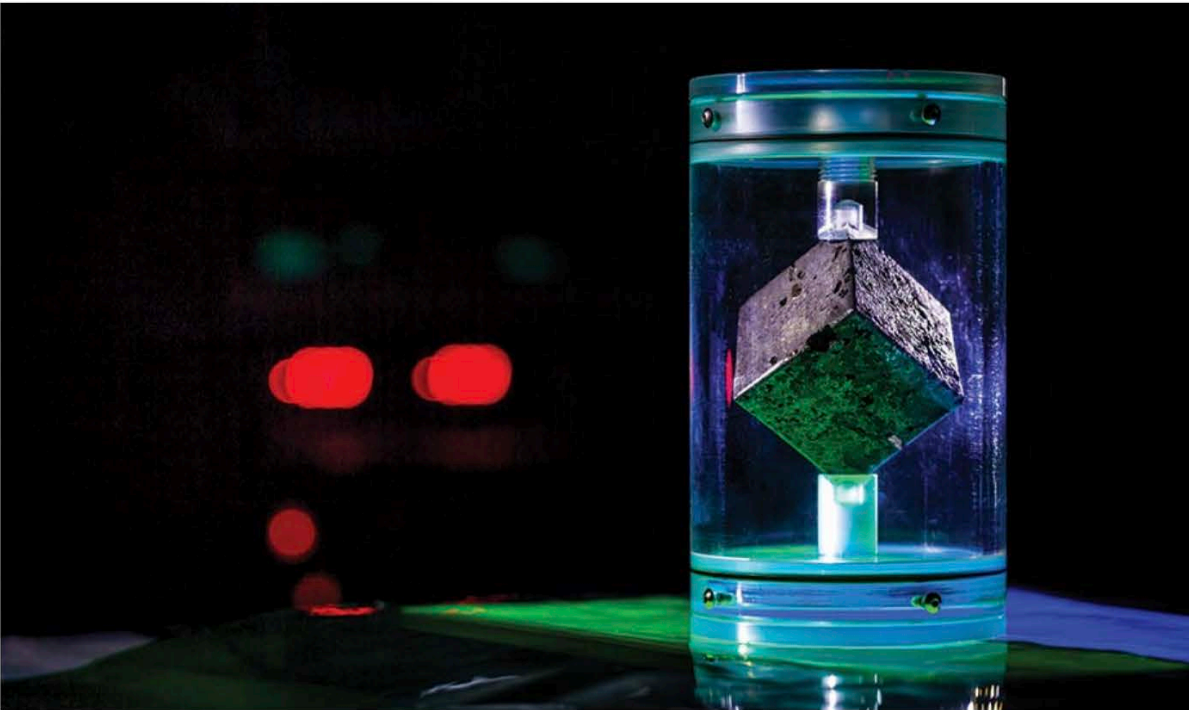
#1

# Multiple product types on a single platform

- Magazines
- Journals
- Microsites  
for sponsored white papers and research papers





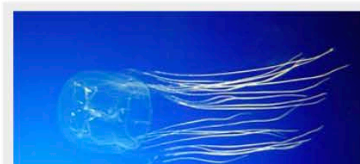
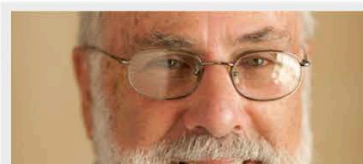
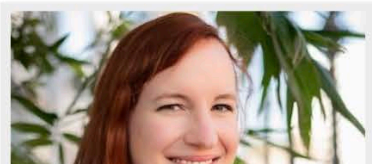


## Tracking the journey of a uranium cube

Timothy Koeth and Miriam Hiebert

### MOST RECENT ONLINE STORIES

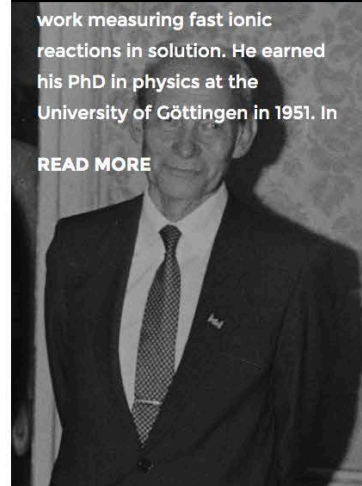
SEE MORE



### Today in History

Born on 9 May 1927, Manfred Eigen was a German physicist and Nobel laureate best known for his work measuring fast ionic reactions in solution. He earned his PhD in physics at the University of Göttingen in 1951. In

READ MORE



Most Read

Talked About

Tracking the journey of a uranium cube

Commentary: Basic research in a time of crisis

The hydrodynamics of a quantum fluid

Australia sees big opportunity in



Physics Today magazine



## Challenges facing *Physics Today*

- We're a "browse," not a "must read"
- No direction connection to most of our readers
- Competition from free content
- Content theft and repackaging
- Ads are a difficult sell



Featured

# Robust propagation of pin-like optical beam through atmospheric turbulence

Ze Zhang, Xinli Liang, Mihalis Goutsoulas, Denghui Li, Xiuting Yang, Shupeng Yin, Jingjun Xu, Demetrios N. Christodoulides, Nikolaos K. Efremidis and Zhigang Chen

**Ultrafast saturable absorption dynamics in hybrid graphene/Si<sub>3</sub>N<sub>4</sub> waveguides**

Pierre Demongodin, Houssein El Dirani, Jérémy Lhuillier, Romain Crochemore, Malik Kemiche, Thomas Wood, Ségolène Callard, Pedro Rojo-Romeo, Corrado Sciancalepore, Christian Grillet and Christelle Monat

**Brillouin optomechanics in nanophotonic structures**

Gustavo S. Wiederhecker, Paulo Dainese and Thiago P. Mayer Alegre

**Pushing the limits of deep-ultraviolet scanning near-field optical microscopy**

Ryota Ishii, Mitsuru Funato and Yoichi Kawakami

**Toward large-scale fault-tolerant universal photonic quantum computing**

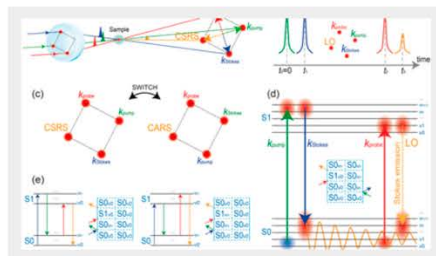
S. Takeda and A. Furusawa

Editor's picks

MAY 07 2019

**Background-free time-resolved coherent Raman spectroscopy (CSRS and CARS): Heterodyne detection of low-energy vibrations and identification of excited-state contributions**

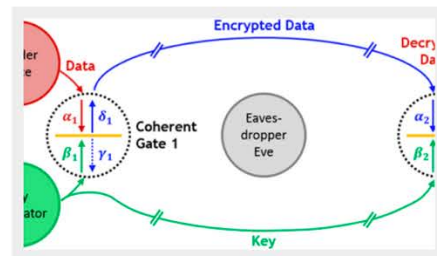
Pavel V. Kolesnichenko, Jonathan O. Tollerud and Jeffrey A. Davis



APR 24 2019

**Cryptography in coherent optical information networks using dissipative metamaterial gates**

Angelos Xomalis, Iosif Demirtzioglou, Yongmin Jung, Eric Plum, Cosimo Lacava, Periklis Petropoulos, David J. Richardson and Nikolay I. Zheludev



Most Read

JUL 17 2019

**Brillouin optomechanics in nanophotonic structures**

504 VIEWS

DEC 17 2018

**Nonlinear optics in carbon nanotube, graphene, and related 2D materials**

4 CITATIONS . 2910 VIEWS

JUL 26 2018

**Tutorial: Coherent Raman light matter interaction processes**

3 CITATIONS . 1673 VIEWS

JUL 24 2019

**Robust propagation of pin-like optical beam through atmospheric turbulence**

166 VIEWS



# PHYSICS TODAY



## Whitepapers

### Smart knee implant uses triboelectric energy



Although the number of total knee replacement surgeries is growing rapidly, functionality and pain-reduction outcomes remain unsatisfactory for many patients. Continual monitoring of knee loads after surgery offers the potential to improve surgical procedures and implant designs. The goal of this study is to characterize a triboelectric...

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**IOP Publishing**

READ NOW

### Two-photon microscopy using FemtoFiber ultra 920

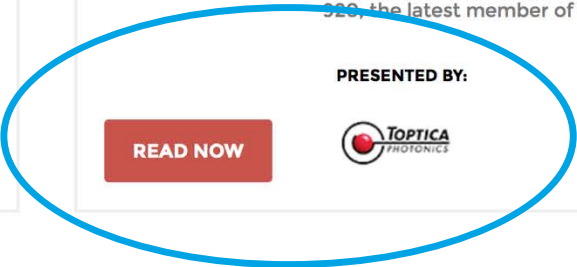


Two-photon fluorescence microscopy has become a key technology in biological imaging enabling three-dimensional, noninvasive studies of biological tissue on the submicron scale. To boost usability of this method & provide an ultracompact, turn-key laser source, TOPTICA proudly introduces the FemtoFiber ultra 920, the latest member of their...

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### Understanding Low Outgassing Adhesives



Engineers often want to know whether an adhesive is low outgassing or generic. And while

### Principles of Lock-in Detection



How does a lock-in amplifier work, and what should be considered when buying a state-of-the-art instrument? This white paper

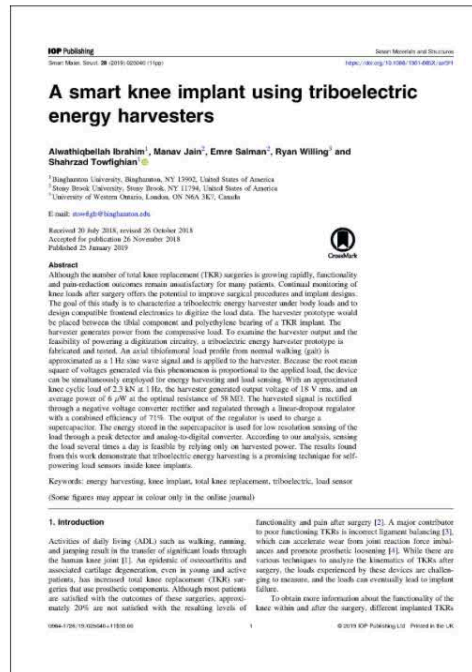
# Smart knee implant uses triboelectric energy

## Executive Summary

Although the number of total knee replacement surgeries is growing rapidly, functionality and pain-reduction outcomes remain unsatisfactory for many patients. Continual monitoring of knee loads after surgery offers the potential to improve surgical procedures and implant designs. The goal of this study is to characterize a

Sponsored microsite with signup for whitepaper

triboelectric energy harvester under body load data. A compatible frontend



## Learn More Now

Please complete the below fields and click 'Read Now' to view this whitepaper and receive related materials.

Name \*

Company \*

Email \*

For Canadian residents only. I hereby consent to

A

#2

## Multiple content types

**Attracts readers to scholarly content and deepens engagement once they're on site.**

- News
- High-res imagery
- Video
- Interactive data sets
- Social media & commenting
- Editorial content (reviewed)
- Press releases



DOI:10.1063/PT.6.4.20180925a

25 Sep 2018 in People & History

# Nobel physicists on the move

An interactive map tracks the places where Nobel physics laureates lived and worked.

Greg Stasiewicz

2 COMMENTS 272 SHARES

Laureate to display: Michael Kosterlitz (2016) Replay

Sort laureates by: Surname Nobel Year



Henri Becquerel, who received a share of the 1903 Nobel Prize in Physics, spent his entire career in Paris, his birthplace. Masatoshi Koshiha, on the other hand, repeatedly crisscrossed oceans and continents before he earned his Nobel in 2002.

Science has steadily evolved into a global enterprise, and that's evident in examining the lifetime movements of the 206 recipients of the Nobel Prize in Physics. The interactive map charts the cities where each of the laureates through 2017 has lived and worked. You can browse the laureates' cartographic CVs either by name or by the year they received the prize.

The dates, locations, and reasons for relocations were collected primarily from laureate

## MOST READ

Tracking the journey of a uranium cube

From the archives: The stability of the bicycle

Commentary: Basic research in a time of crisis

Helium users are at the mercy of suppliers

Microswimmers with no moving parts



https://physicstoday.scitation.org/doi/10.1063/PT.6.4.20180925a/full/



# PHYSICS TODAY

DOI:10.1063/PT.6.1.20180430b

30 Apr 2018 in Research & Technology

## Uncovering ancient practices through acoustics

A unique survey of an ancient Greek sanctuary reveals that buildings and artifacts aren't necessary to capture the aural heritage of a historical site.

Pamela Jordan

0 COMMENTS 272 SHARES



View from Mount Lykaion of the surrounding Arcadian landscape, with geologist George H. Davis tracing the unusual bedrock formations. Credit: Pamela Jordan

When visiting a deteriorated building or ancient ruin, one may think the place is lifeless. But that is not the case when it comes to sound. Though the energy embedded in a sound dissipates soon after propagation, the conditions for creating that sound are not necessarily lost. Conceivably, a given sound could be experienced today much as it was in the distant

### MOST READ

Tracking the journey of a uranium cube

From the archives: The stability of the bicycle

Commentary: Basic research in a time of crisis

Helium users are at the mercy of suppliers

Microswimmers with no moving parts

Interactive data visualization

<https://physicstoday.scitation.org/doi/10.1063/PT.6.1.20180430b/full/>



# A

#1 & #2

## Multiple product and content types

### Direct benefits

- Improved on- and off-site discovery
  - Cross-publication/integrated sitewide search
  - Searchable images, videos, and other Digital Objects
  - Improved SEO for both magazines and journals
- Cross-promotion of journal/magazine bundles



#1 & #2

# Multiple product and content types

## Direct benefits

- Increased quantity and quality of submissions
- Increased commenting  
5 – 10 comments/day vs. 1 – 2 previously
- Breaking down internal silos through authoring multi-dimensional, multi-purpose content
- Gives visitors a reason to return often  
Organic traffic: up ~23%



# Targeted notifications of content updates

#3

## *Literatum's Admin Tool*

- System-generated notifications to staff on content status
- Frees production staff for other projects
- Enables editors to handle content



# Targeted notifications of content updates

#3

## *Literatum's Admin Tool*

- System-generated notifications to staff on content status
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- Enables editors to handle content

## *Literatum + marketing automation tools*

- Email alerts
- Automated push notifications of new content links to partner society websites



#3

## Targeted notifications of content updates

### Direct benefits

- Increased site traffic
  - Drives traffic from partner society websites back to AIP
- Competes with other sites more successfully
  - Renewal rate for individual subscriptions: up 20%**
  - New readership: up 68%**
- Adds PR vehicles







#4

# Content personalization

- Content recommendations
  - most read, most cited, and publishers' choice
- Curated content
  - via Page Builder recommendation widgets
- Social reading (integration with Disqus) and other means of reader interaction
- Content bundles
  - topic-based landing pages



#4

## Content personalization

### Direct benefits

- Strengthens engagement with readers
- Increased revenues / advertising value  
**75% increase in ad revenue**
- Page views: **up 52%**
- Increased traffic: **New readership up 68%**
- Higher click-through rates
- Lengthier site visits





#5

## Enhanced onsite discovery mechanisms

- Integrated search (across all content and publication types)
- Iterative search
- Saved searches
- Reader-controlled drill-down
- Search term suggestions
- Intuitive user-friendly navigation

MENU SIGN IN/REGISTER SEARCH CITATION SEARCH

SEARCH ADVANCED SEARCH

This Publisher/Society Enter words / phrases / DOI / ISBN / authors / keywords / etc. Q

This Publisher/Society Search all publications for the Publisher/Society in context

This Publication

Anywhere

Born on 1 August 1905 in Lowell, Massachusetts, Helen Sawyer Hogg was an astronomer who

Integrated and advanced search bars

MENU

# PHYSICS TODAY

HOME BROWSE INFO RESOURCES JOBS

### Advanced Search

Anywhere Enter search term +

Topic e.g. Physics

Published in e.g. AIP Advances

Publication Date  All dates

Last: Select

Custom range: Year To: Year

Search

### Advanced Search

Anywhere Enter search term +

Anywhere

Title

Author e.g. AIP Advances

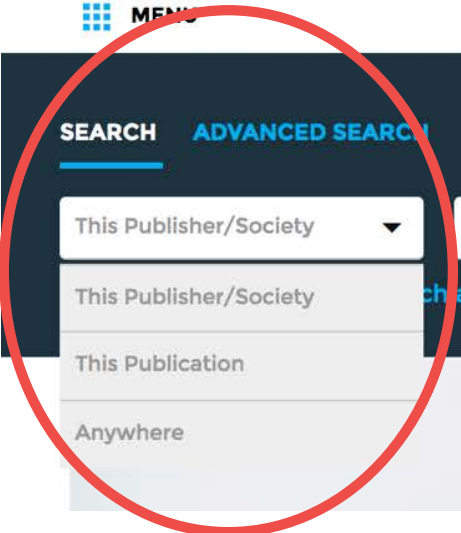
Keywords

Publication Date  All dates

Last: Select

Custom range: Year To: Year

Search



Anywhere



laser physics



ARTICLE TYPE

|                  |        |
|------------------|--------|
| Research Article | 445124 |
| Abstract         | 18528  |
| Letter           | 14602  |
| Other            | 4265   |
| Book Review      | 2355   |
| MORE (23)        |        |

PUBLICATION DATE

1929 2019

TOPICS

|                            |        |
|----------------------------|--------|
| Materials analysis         | 139905 |
| Metals                     | 130300 |
| Pure metals                | 107641 |
| Chemical analysis          | 106961 |
| Classical electromagnetism | 91202  |
| MORE (32)                  |        |

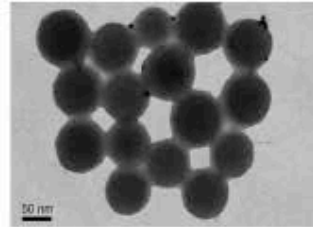
AUTHOR

|                   |     |
|-------------------|-----|
| Pearton, S J      | 608 |
| Feder, Toni       | 567 |
| Holonyak, N Jr    | 379 |
| Zhang, J          | 349 |
| Mandelis, Andreas | 345 |

ARTICLES (498624) PHYSICS TODAY DAILY EDITION (500)

Refine Search

SORT: Relevance Date



Nov 1, 2017

### Liquid parameter free method for nanoparticle size determination based on dynamic light scattering

Chengfeng Yue, Peng Han, and Zhilie Tang

Journal of Laser Applications 29(4), 042011 (2017); <https://doi.org/10.2351/1.5008837>

Jan 1, 2011 . 6 Citations

### Teaching laser physics by experiments

Jes Henningsen

American Journal of Physics 79(1), 85 (2011); <https://doi.org/10.1119/1.3488984>

Jul 1, 1975 . 59 Citations

### Laser Physics

M. Sargent III, M. O. Scully, W. E. Lamb Jr., and Nicolaas Bloembergen

Physics Today 28(7), 50 (1975); <https://doi.org/10.1063/1.3069060>

Nov 1, 1971 . 4 Citations

### Laser Physics

A. Maitland, M. H. Dunn, and S. F. Jacobs

Physics Today 24(11), 54 (1971); <https://doi.org/10.1063/1.3022437>

Apr 6, 2007

### Numerical modelling for intense laser physics

Integrated search results





#5

## Enhanced onsite discovery mechanisms

### Direct benefits

- More easily surfaced content
- Increased content visibility
- Increased brand visibility
- Product cross-promotion



# #6

# Responsive design

Cell phone and tablet views

The mobile view of the Physics Today website features a top navigation bar with a 'MENU' icon, 'SIGN IN/REGISTER', and a search icon. Below this is a banner for the '2019 Physics Congress' in Providence, RI, from November 14-16, with a 'Register' button. The main title 'PHYSICS TODAY' is prominently displayed. A secondary navigation bar includes 'HOME', 'BROWSE', 'INFO', and 'MORE'. The article content is compact, showing the DOI, date, and title 'Tropical biodiversity faces intersecting threats' by Johanna L. Miller. A large image of a sloth is partially visible at the bottom.

The tablet view of the Physics Today website features a top navigation bar with 'MENU', 'SIGN IN/REGISTER', 'SEARCH', and 'CITATION SEARCH'. Below this is a banner for the '2019 Physics Congress' in Providence, RI, from November 14-16, with a 'Register' button. The main title 'PHYSICS TODAY' is prominently displayed. A secondary navigation bar includes 'HOME', 'BROWSE', 'INFO', 'RESOURCES', 'JOBS', and 'SIGN UP FOR ALERTS'. The article content is more spacious, showing the DOI, date, and title 'Tropical biodiversity faces intersecting threats' by Johanna L. Miller. It includes social media sharing icons, a 'COMMENTS' section, and a 'MOST READ' sidebar with three articles: 'Rosalind Franklin and the Double Helix', 'Focus on photonics, spectroscopy, and spectrometry', and 'Getting to know Mileva Marić'. A large image of a sloth is partially visible at the bottom.



#6

# Responsive design

## Direct benefits

- Appealing to the broadest possible audience
- Serving an audience traditionally underserved by scholarly content
  - Dramatically lower usage of scholarly sites on mobile
  - Scanning and selecting is not supported by most sites
- Making content more easily accessible = increased visibility.  
**Mobile usage: Up 4–5 times**

***Physics Today* has significantly more mobile users than the average journal.**

A

# Results and takeaways



## Results recap

### Since moving to Literatum in January 2017

- Attracted new readers: **up 68%**
- Increased organic traffic: **up ~23%**
- Increased page views: **up 52%**
- Increased ad sales: **75% increase in ad revenue**
- Increased content engagement: **5 – 10 comments/day** *vs. 1 – 2 previously*
- Improved mobile usage: **4 – 5 times more**





## Results recap (cont'd)

### Since moving to Literatum in January 2017

- Increased renewal rate for individual subscriptions: **up 20%**
- Reduced bounce rate: **down 7%**
- A stronger design link between print and online
- Boosted brand visibility
- Created a valued destination website

*Forged a stronger connection to our readers*



## Takeaways

- A brand should have the same strong visual presence no matter the channel or medium
- You have to find ways to attract and engage your readers
- If you're on the web, make use of the web's capabilities
- Literatum has features created specifically for these six tactics
- Freeing staff from rote production tasks makes time for exploring and implementing new tactics and technologies



## Literatum features involved in making AIP sites stickier

1. Digital Objects (videos, interactives, short non-journal content)
2. Tags and taxonomies
3. Enhanced search technologies
4. Recommendation engine
5. Page Builder widgets
6. Easy integration with third-party systems  
(e.g., Javascript D3 libraries, WordPress, Disqus, mobile app)
7. Smart Groups (technology for segmenting site visitors into groups with similar characteristics or behaviors for target marketing)

LITERATUM



# Deeping engagement

## An ongoing process

- Moving to UX 3.0
- Additional focus groups
- Broader user testing
- UI improvements to increase interactive engagement
- Reassessing production print-to-digital workflow

ATYPON

# WebinarSeries

## Get More Out of Literatum

A new free 10-webinar series

Register at [atypon.com/webinars](https://atypon.com/webinars)

This autumn:

**TUESDAY, SEPTEMBER 10**  
**10:30 AM ET**

How to attract targeted audiences, extend their time onsite, and monetize their visits

**THURSDAY, SEPTEMBER 26**  
**10:30 AM ET**

Creating multimedia content for your website

**WEDNESDAY, OCTOBER 16**  
**10:30 AM ET**

Make the most of Atypon account management

ATYPON

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in the series?

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