STM Tech Trends 2014
STM TECH TRENDS

The Machine Is the New Reader

Add Any Artifact

Text and Data Mining
Fraud Detection
Minable Archives

Machine
Readable
Metadata

Article
Component
Licensing

Communicate Science in Images

NEW SCIENCE
The New Article Is the Computable Article
Big Data And
Big Data Analysis

Enriching The Article

Linked Data
Interactive Data Viewers
Graphs, Charts, Visualisations
Predictive Analytics
Live Equations

Using Powerful Computational Linguistics
Cognitive Computing Replaces Human Reading Altogether
Computer Tests Assertions Eliminates Human Analysis

Smart Articles

The Article Finds You, You No Longer Need To Search For It
Publishing Becomes a Software Model

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The Return to the Author

Open Access Creates an Individual with a Wallet

Author is King

Wants Individualised Attention

Better Author Experience
Better Researcher Experience

New Eco-system
Or New Ego-system?

Richer Article Tagging

Production Automation

Auto-Proofing
Cloud Solutions
Rule-driven Composition

Turn Data into Maps
Image Creation Services
Content Enrichment

Evaluation Tools
Ubiquitous Editing Access

New Authoring Tools

Citation Metrics
Where is the New Librarian?

E-commerce Plumbing
The Digital Wallet
Add New Metrics

Will the Author Name Become a Brand?
Replacing the Journal Brand?

One Stop Payment Systems

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New Players Changing the Game:
Disintermediation Threats: Social Media, Start-ups and Google

Social Media

- ORCID
- ISNI
- Identifiers Soup; Who Wins?
- Discipline-based Identifiers

Self Publishing Tools

- Open Authoring Tools
- Using Open Access Articles
- Open Science, Open Data. How Do Publishers Fit In?

Open

- Authorea
- Publisher Collaboration
- Collectively, Google Defines the User Experience
- Fearless Writer
- SublimeText
- ResearchGate

Fraud Detection

- Industrial Espionage
- Google Glass

New Start-Ups

- Mendeley
- Academia.edu
- ScienceOpen

Watch

- Google
- The Death of the Publishers
- User Interface

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