

# **Authentic assessment, original research and academic publishing for second year undergraduates**

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University of Technology Sydney

Work ready oriented GAs  
Communication Skills  
Professional Skills  
Life-long Learning

# Authentic Assessment Academic Publishing



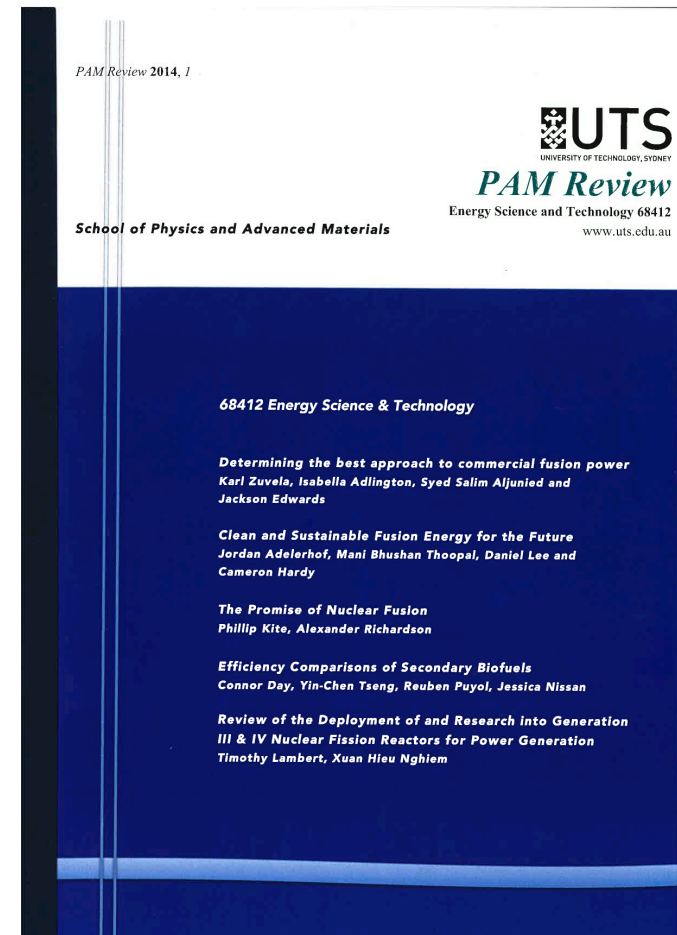
3<sup>rd</sup> semester class

68412 Energy Science & Technology

Authentic assessment task

'Flipped' content

Student project



# Authentic Assessment Academic Publishing

## Creating the assessment task

### Context:

**3<sup>rd</sup> semester subject (ES&T, Science)**  
**concept & theoretical heavy**      **in principle working; examples**  
**limited room for hands-on**

### What is authentic?

### How to incorporate into curriculum?

**prac, workshop, homework, groups**

# Authentic Assessment Academic Publishing

## Creating the assessment task

### Lecture

provides disciplinary language

theoretical concepts

insight into authentic task

### Homework (authentic task)

choose topic of interest

analyze scientific literature

extract scientific knowledge (data)

conduct meta-study

produce new scientific knowledge

produce authentic scientific paper

# Authentic Assessment Academic Publishing

## Lecture

whole class learning

## Homework (authentic task)

research teams

team management

peer-review of other teams

peer-review within teams

1-on-1 consultations with teams

Work ready oriented GAs  
Communication Skills  
Professional Skills  
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# Authentic Assessment Academic Publishing



## Outcome

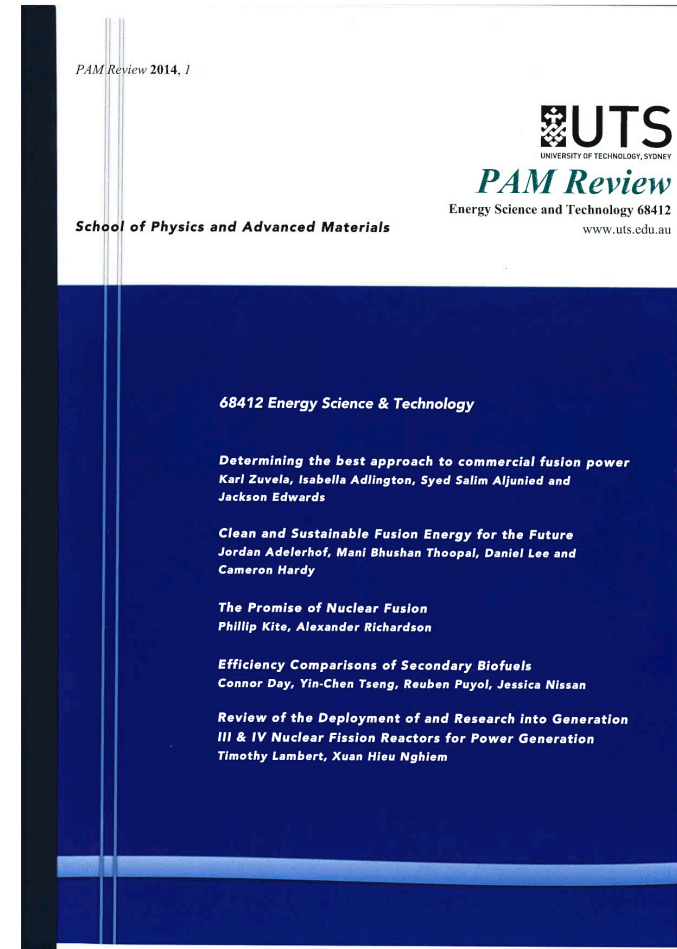
authentic research paper

long lasting tangible

deep learning

## Next

Lift authenticity on par with  
professional research publication



# Authentic Assessment Academic Publishing

The screenshot shows the UTS ePress website interface. At the top, there is a navigation menu with links: HOME, ABOUT, LOGIN, REGISTER, SEARCH, CURRENT, ARCHIVES, ANNOUNCEMENTS. The left sidebar contains a red header with a white 'C' logo, followed by menu items: Journals, Archived Titles, Books, About UTS ePress, Student Journals, PAM REVIEW: ENERGY SCIENCE & TECHNOLOGY, Browse (with sub-links BY ISSUE, BY AUTHOR, BY TITLE), and Notifications (with sub-links VIEW, SUBSCRIBE). The main content area is titled 'About the Journal' and contains a paragraph describing the journal as a student peer-reviewed journal in science and technology. Below this, it states that the journal does not charge any type of article processing charge (APC) or any type of article submission charge. It also mentions the journal was established in 2014 and provides links for the 2014 and 2015 journal covers. The 2015 cover is highlighted with a red box and includes the text '2015 VOLUME 1 02' and 'New ideas in energy and power generation'. At the bottom of the main content area, there is a section for 'Current Issue' and a URL: <http://epress.lib.uts.edu.au/>.

# PUTTING THE PROFESSIONAL INTO PRACTICE-BASED LEARNING

UNIVERSITY OF TECHNOLOGY SYDNEY

*PAM Review*

Energy Science and Technology 68412

www.uts.edu.au

## Efficiency Comparisons of Secondary Biofuels

Connor Day<sup>1\*</sup>, Yin-Chen Tseng<sup>2</sup>, Reuben Puyol<sup>3</sup> and Jessica Nissan<sup>4</sup>

professional journal format

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Received: 4 April 2014 / Accepted: 28 April 2014 / Published: 2 June 2014

peer review process

**Abstract:** Biofuels are essential for the energy production of the future. This report is a meta-study of the efficiencies of first, second and third generation secondary biofuels used for transportation purposes. We present and compare data

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DOI: <http://dx.doi.org/10.5130/pamr.v1i0.1386>

open access

fully indexed, DOI

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professional publishing house  
professional peer review system



# Authentic Assessment Academic Publishing



PUBLIC KNOWLEDGE PROJECT (PKP) - OPEN JOURNAL SYSTEMS (OJS)

OJS for Journal Managers



UTS, **Jurgen Schulte**  
**Scott Abbott**

OJS for Editors



UTS Teaching & Learning Forum  
11 November 2015

Becoming an Editor



# Authentic Assessment Academic Publishing



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## UTS ePRESS: Publication Submission Form

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- Ongoing publication?
- Publication frequency?
- Peer Review method?
- Creative Commons licensing?
- Unique disciplinary contribution?

# Authentic Assessment Academic Publishing



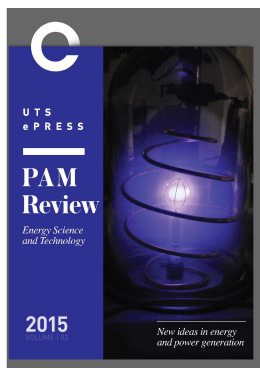
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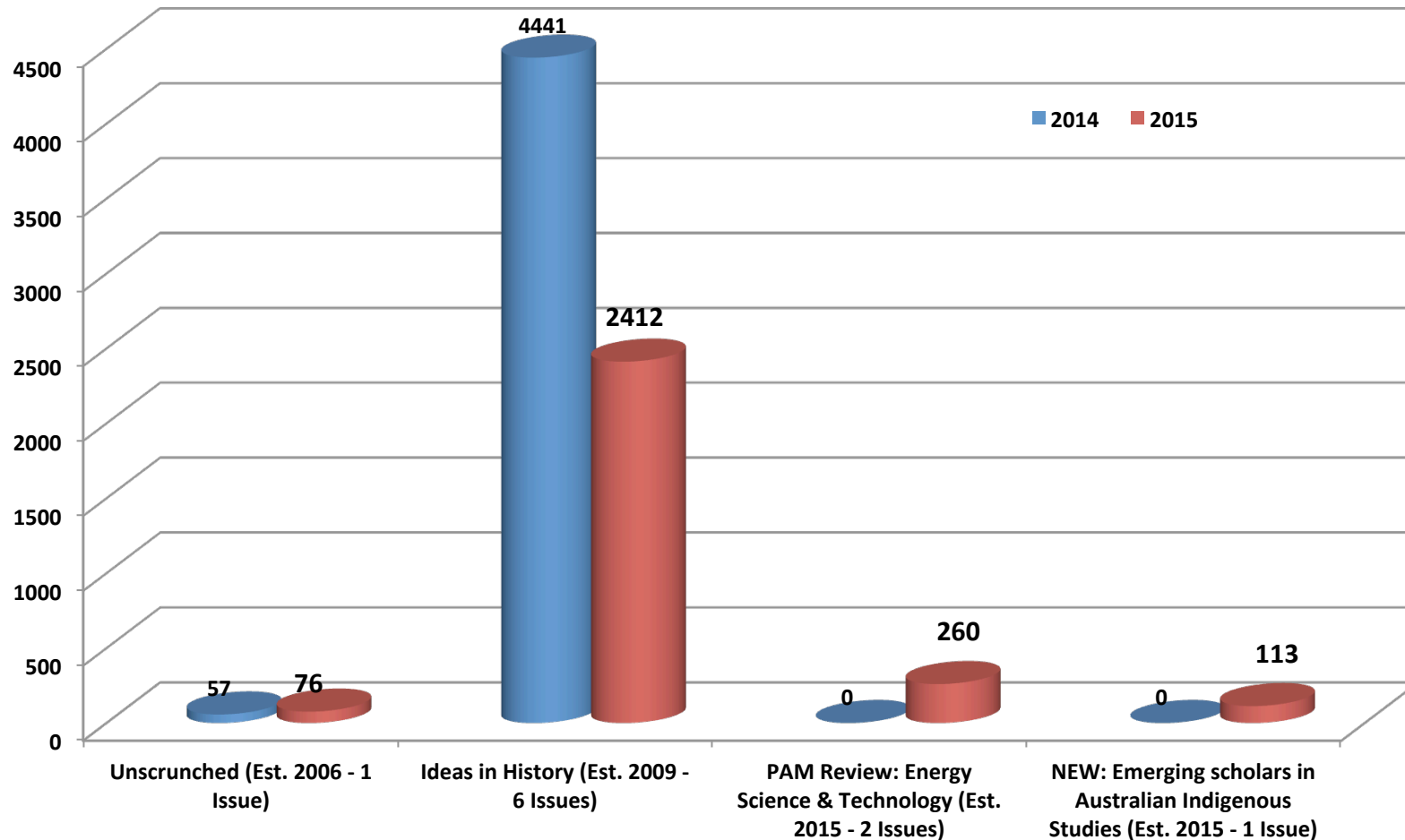
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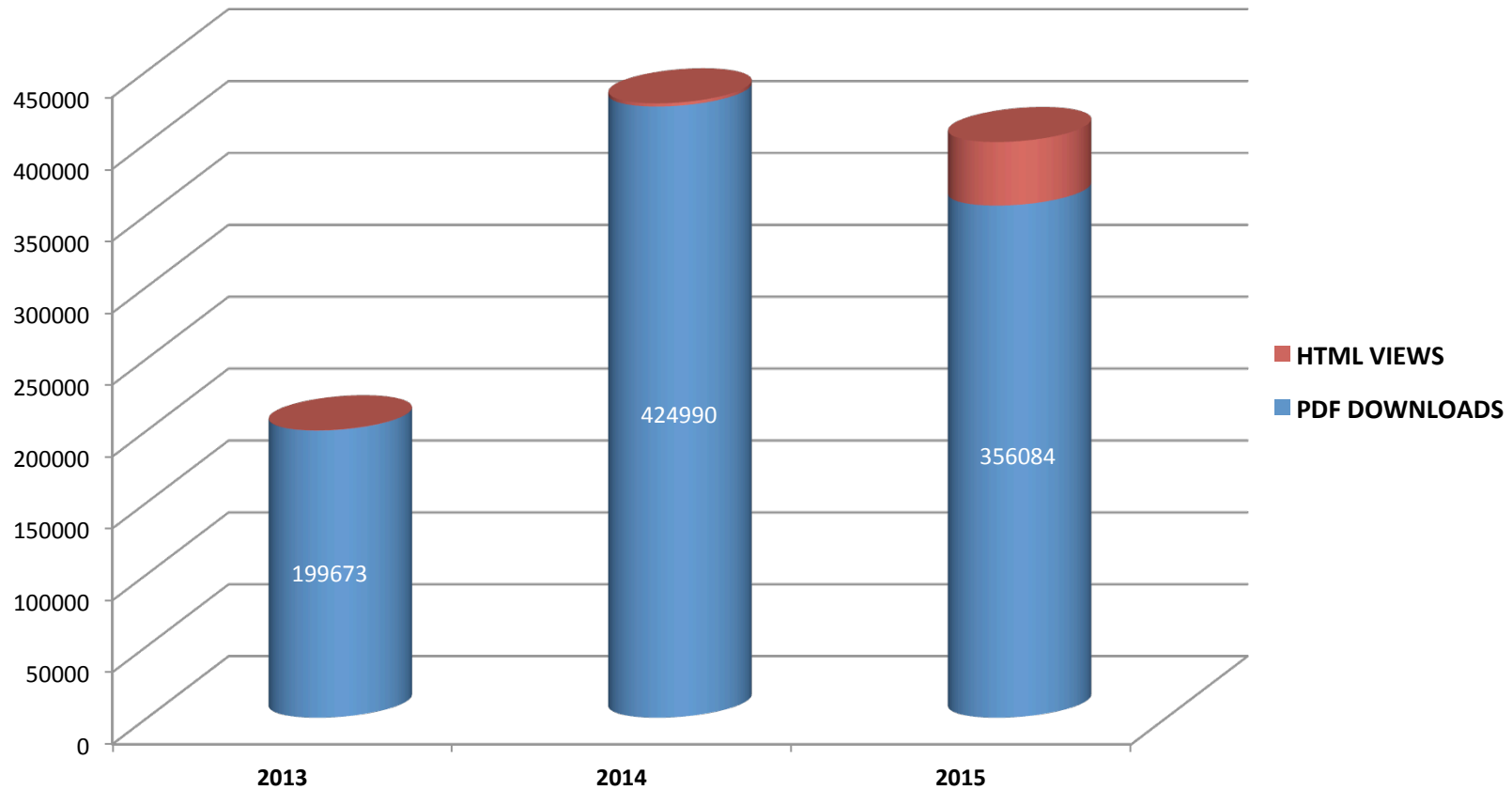


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OJS Data @ October 28 for **UTS ePRESS** Student Journal PDF Downloads

# Authentic Assessment Academic Publishing



OJS Data @ 28 October 2015:  
UTS ePRESS PDF downloads and HTML views for ALL of its  
senior open access journals 2013-2015

# Authentic Assessment Academic Publishing



Please contact us via our site if you have any questions

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THANK YOU!