

Finding information for final year projects (with a bit of plagiarism thrown in!)

Slides will be
made available

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Aims to today:

- ▶ Show you other search tools beyond Google Scholar to find research papers
- ▶ Show how you can save time with reference management software (Refworks)
- ▶ Reminder of how to avoid plagiarism (good referencing and citing!)
- ▶ NOT covering writing up!

Just a taster!

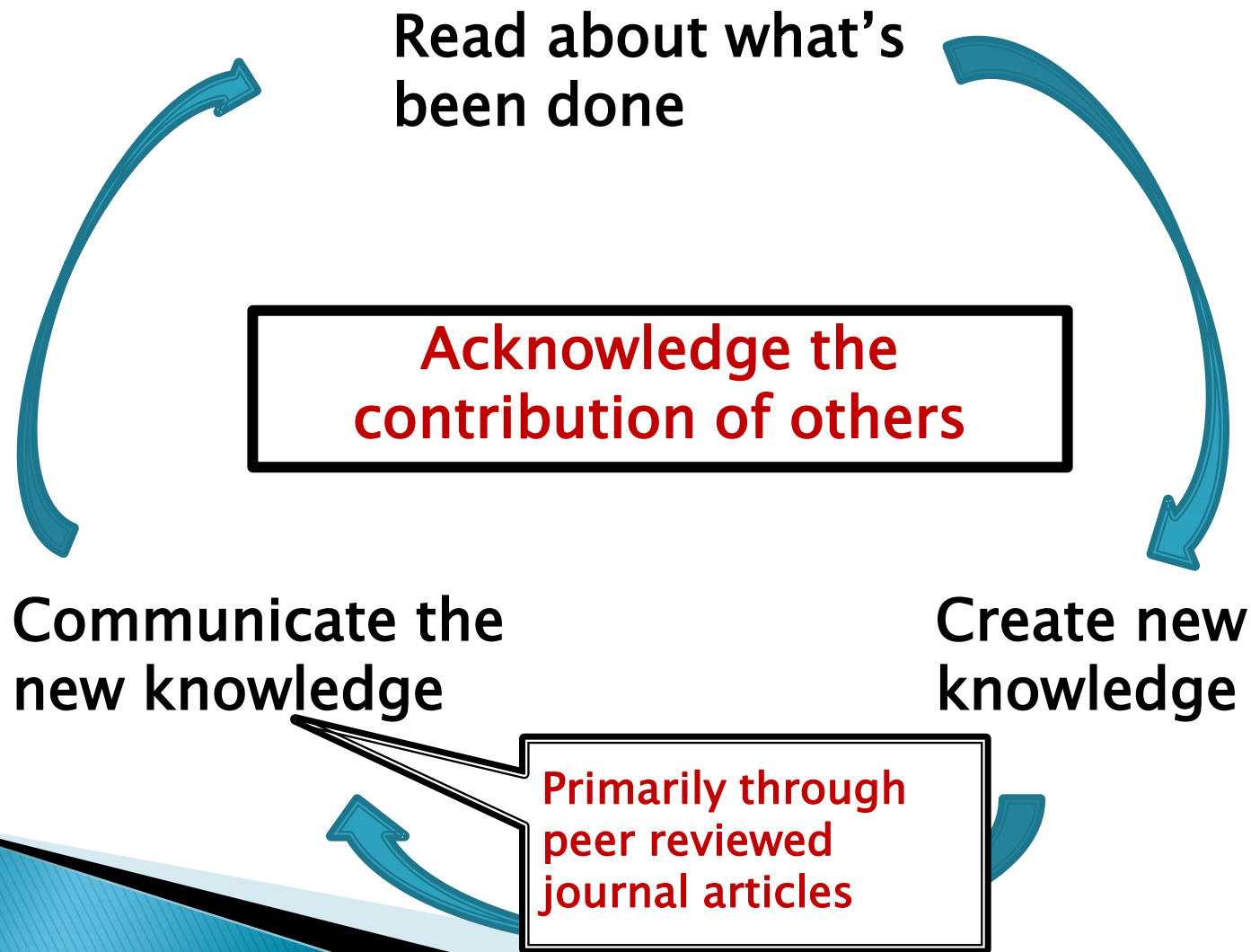
The literature review/survey

- ▶ Used in:
 - Undergrad and masters dissertations
 - PhDs
 - Research proposals
 - Writing of journal articles/conference papers etc

Finding sources (research papers):

- ▶ Literature survey – one of the **FIRST** things you do
 - May affect how you progress your project
- ▶ Builds up your knowledge
 - Background
 - Ideas/problem solving
- ▶ Puts your work into context
 - Published evidence that what you are doing is creating “new knowledge
 - Comparison with other research
 - Concensus/controversy/gaps
- ▶ Ongoing throughout your project

In Academia – the world of universities :



Why are peer reviewed articles so important?



Peer review in 3 minutes!

Questions to ask when reading a paper

- ▶ Currency / credibility (of authors) / relevance (summary)
- ▶ What is the new knowledge and how does it fit into the rest of the literature?
 - similar studies – agreement/disagreement (data)?
- ▶ Methods used – are they scientifically valid, anything innovative?
- ▶ Evidence to support arguments/statements
Note taking – see later!

Search tools (other than Google, Google Scholar..)

Full text database:

- ▶ IEEE Xplore [online tutorials see subject page](#)
 - All content from IEEE publisher
 - Journal articles, conference papers, standards

Bibliographic databases (with links to our journal subscriptions)

- ▶ Engineering Village (Elsevier) [guide will be made available](#)
 - Inspec – electrical/electronic engineering, physics, computing and control
 - Compendex –engineering
- ▶ Web of Science [guide will be made available](#)
 - Covers all subjects
 - Includes citation information
- ▶ Scopus (Elsevier) [guide will be made available](#)
 - Covers all subjects
 - Includes citation information
- ▶ Access them via [Library Search](#) or Subject page
- ▶ More search tools on subject page

The search process

- ▶ Define your search topic/what type of information sources
- ▶ Select search tool(s)
- ▶ Develop search strategy
 - Identify key concepts
 - Think of alternatives (synonyms, broader/narrower terms, word forms, UK/US spellings)
 - Combine terms (OR for alternatives, AND to combine key concepts)
- ▶ Carry out search
- ▶ Look at search results and revise search if necessary
- ▶ Select sources – save reference details, pdf etc

Subject page:

Electrical and electronic engineering

E-books

- [IEEE-Wiley E-books](#)
- [Handbook of Chemistry and Physics](#) **NEW**

E-textbooks for 1st years

- [VitalSource e-textbooks](#)



Databases

- [IEEE Xplore](#)
- [Web of Science](#)
- [Engineering Village \(Inspec\)](#)
- [Scopus](#)
- [SPIE Digital Library](#) **NEW**

Search engines (besides Google)

- [Wolfram Alpha](#) computational knowledge engine

Other resources

- [Patents](#)
- [Standards](#)
- [Theses](#)
- [Exam papers](#)
- [Globalspec.com](#)
- [IFAC-PapersOnLine](#) conference paper archive

Tutorials

- [IEEE Xplore self-paced tutorials](#)
- [Internet Detective](#)
- [How to recognize plagiarism](#)

Get help and support

- [Contact Angela](#)
- [Book a training session](#)

Suggestions

- [Suggest a book for purchase](#)
- [Suggest a journal or database](#)

Referencing guides

Harvard guide

- [Harvard referencing guide \(PDF\)](#)



Vancouver guide

- [Vancouver referencing guide \(PDF\)](#)



- [Back to Library](#)
- [Back to Subjects & support](#)

Your librarian



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[Follow me on Twitter](#)

Support from the Library

- [Open access publishing](#)
- [Plagiarism awareness](#)
- [Reference management](#)
- [Research support](#)
- [Spiral Digital Repository](#)
for access to Imperial theses

Access to electronic resources:

the Library

[Home](#) | [Use the Library](#) | [Find books, articles & more](#) | [Subjects & support](#) | [NHS](#) | [Researchers](#) | [Get in touch](#) | [About us](#)

How to access e-journals, e-books and databases

For full access to e-journals, e-books and databases you must be a member of Imperial College London and have an Imperial computer account (username and password).

On-site access

If you are at an Imperial campus most e-journals, e-books and databases can be accessed directly (without a username and password).

A few require a username and password - this information is in the "Details" tab on Library Search and you can find the password on the [Password list](#).

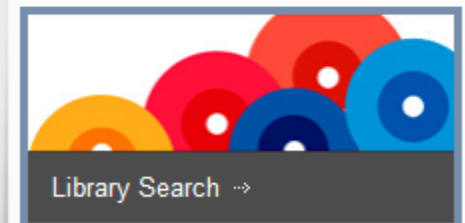
Off-site access

Most e-journals, e-books and databases can be accessed off-site, allowing you to work from home or from another location. There are three methods of off-site access:

- Using the "View It" tab in Library Search - when prompted, log in with your College username and password
- [UK Federation / Institutional login](#) - use your College username and password to log in
- [Virtual private network \(VPN\)](#) - connect to the College VPN to allow you to access as if you were on-site (additional [information for Windows 8 users](#))

- [Back to Library](#)
- [Back to Find books, articles & more](#)

- [Password list](#) Only for use by students and staff of Imperial College London
- [VPN](#) Information provided by ICT
- [UK Federation / Institutional Login](#)
- [NHS Athens for higher education students](#)
- [Mobiles and tablets](#)



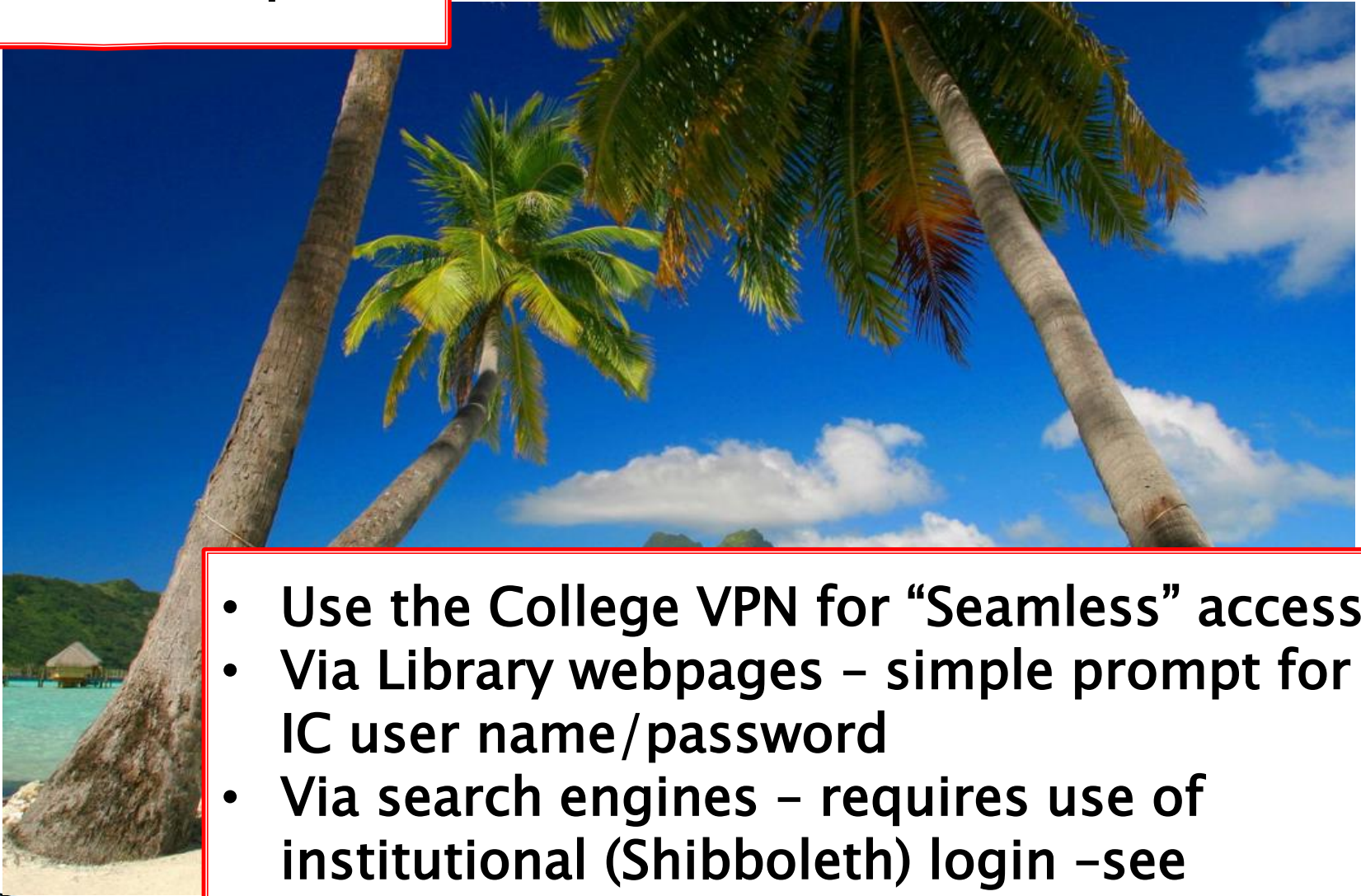
→ [ASK the Library](#)

On Campus



**“Seamless” access – no login required
– for most resources**

Off Campus



- Use the College VPN for “Seamless” access
- Via Library webpages – simple prompt for IC user name/password
- Via search engines – requires use of institutional (Shibboleth) login –see webpages for more details

Combining search terms

- ▶ AND (e.g. colour AND displays)
 - Finds records containing **BOTH** the words
- ▶ OR (e.g. jitter OR distortion)
 - Finds records containing **EITHER** or **BOTH** the words
- ▶ NOT (e.g. ATM NOT automated teller machines)
 - Finds records containing ATM but not automated teller machines
 - Be careful!

Search techniques (1)

- ▶ Go for more “advanced” option
 - Multiple search boxes, with dropdown menus
- ▶ Stemming, US/UK spellings
 - E.g. control, controlled, controlling...
 - Optimization, optimisation
 - On **SOME** databases
- ▶ Truncation/wild cards
 - Comput* finds all words beginning comput
- ▶ Restricting terms to being present in a particular field e.g. title, index terms
- ▶ Refine panel (usually on left hand side)
- ▶ See Guide to Literature searching

Example search:

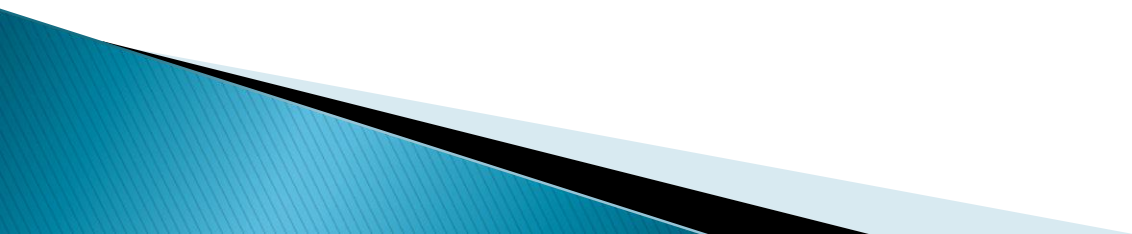
Control of multiterminal HVDC grids

Isolate the key concepts (words / phrases):

Control of multiterminal HVDC grids

SFX/Direct from publisher


- ▶ Links in database records to full text content
- ▶ **SFX/View it buttons**
 - Goes via our webpages and indicates our subscription for that journal
- ▶ **View at publishers**
 - We may not have direct from publisher!



Citation searching:

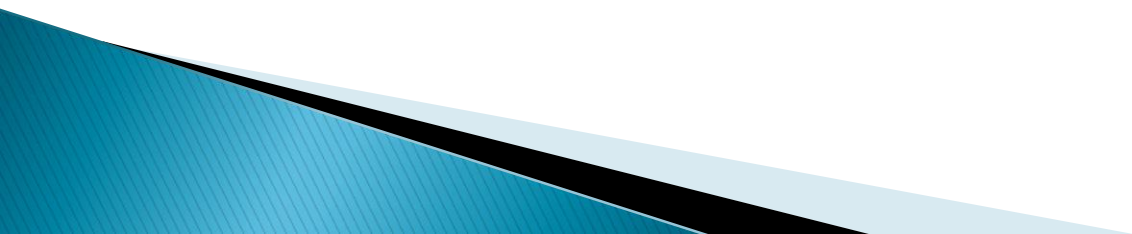
- ▶ For a document record – Citation information allows you to locate more recent docs which cited that document
- ▶ Web of Science
 - specific citation searching feature ([see guide](#))

Why?

- ▶ Difficulty identifying documents
 - ▶ You have key paper/supervisor has given you some papers
 - ▶ You just like to work that way!
- 

Citation searching example

Berl A, Gelenbe E, Di Girolamo M, Giuliani G, De Meer H, Dang MQ, et al. Energy-Efficient Cloud Computing. *Computer journal* 2010;53(7) 1045-1051.



Getting hold of documents

- ▶ Links within databases (journal articles)
- ▶ Library search on home page
- ▶ If we don't have:
 - Document Delivery service (25 free requests per year)
 - Register first
 - Fill in request form
 - Secure electronic delivery for articles (but can only print once)

Standards

- ▶ Our webpage

<http://www3.imperial.ac.uk/library/find/standards>

- ▶ We have full text of:

- British Standards
- IEEE standards
- ASTM standards

Managing your documents / references:

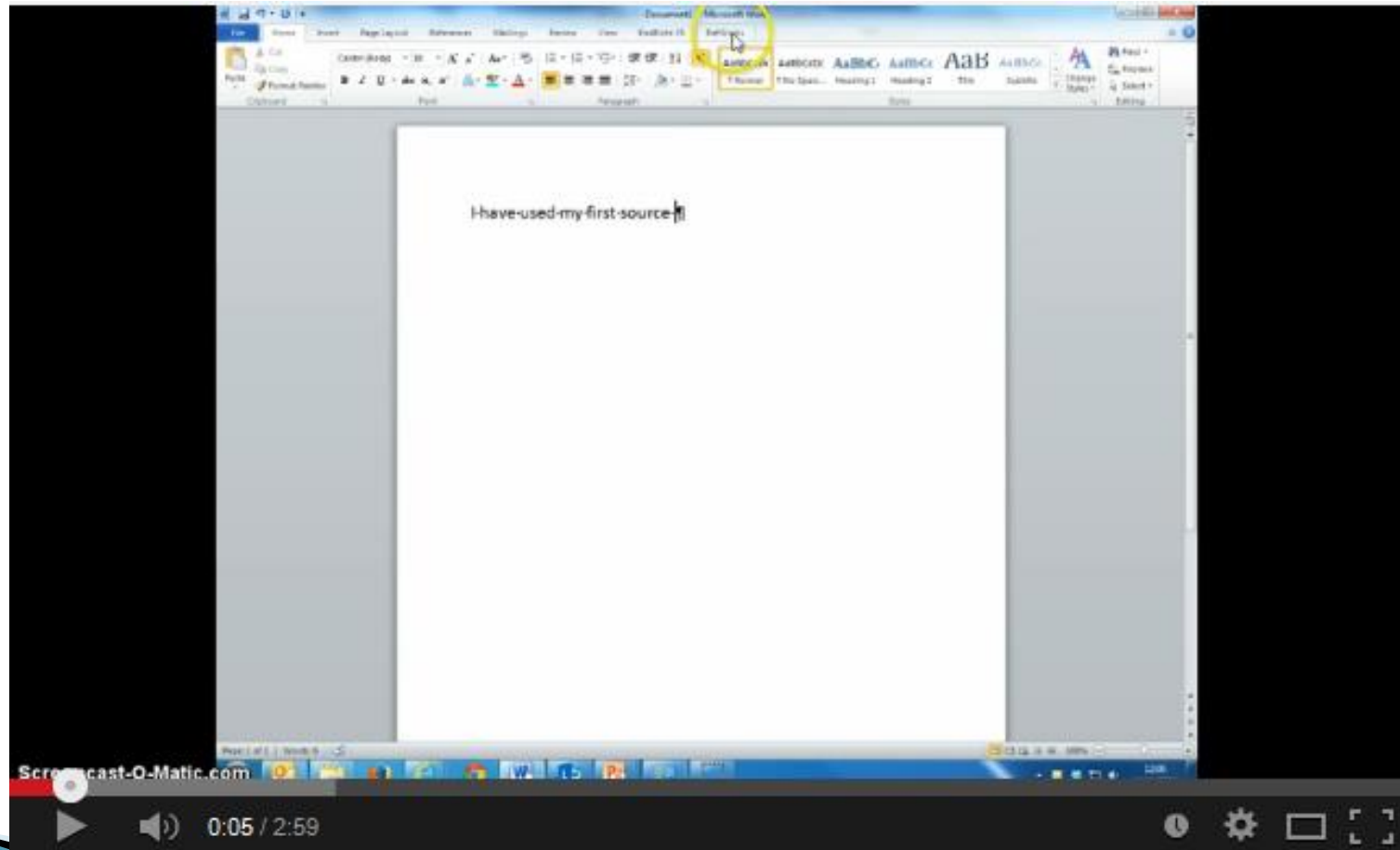
- ▶ Store pdf's
 - Yours to keep
 - For non commercial research
 - Do not send/give to anyone else
- ▶ Keep a record of full bibliographic references
 - Tedious, time consuming, error prone
 - **Can we capture this data automatically?**
- ▶ Produce reference list
 - Tedious, time consuming, error prone
 - **Can we generate this automatically?**



RefWorks

- ▶ Reference management software (also called bibliographic software)
- ▶ Freely available for you to use
- ▶ Web based – accessible from any computer
- ▶ Allows you to store and organise your references
- ▶ When writing your report, allows you to insert citations into your text
- ▶ Automatically generates a reference list in the required format
- ▶ Allows you to share references with colleagues
- ▶ **Guide will be made available**

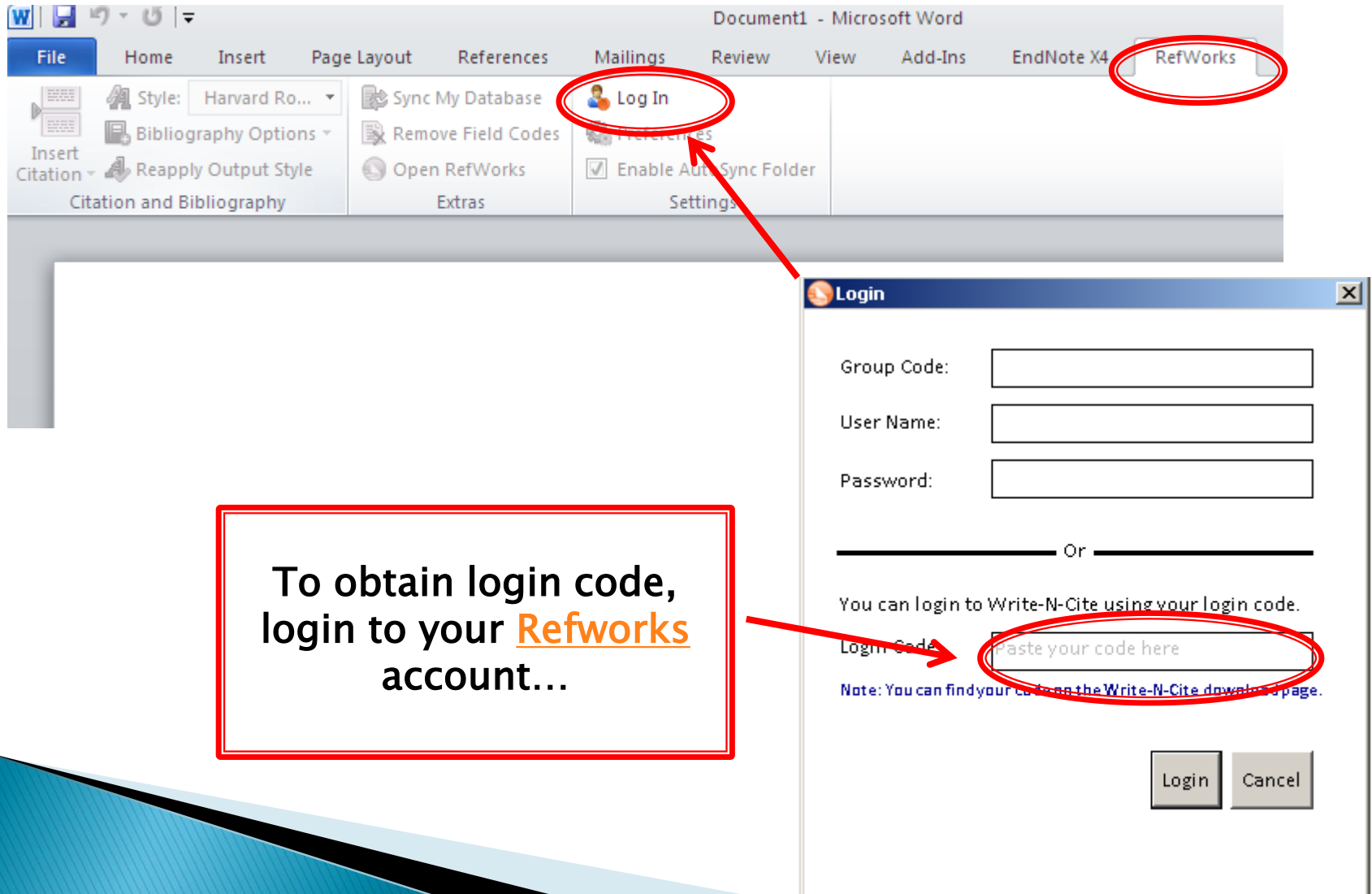
Generating reference lists (Write-N-Cite)



WriteNCite 4

- ▶ An abbreviated form of your Refworks account sitting on your desktop
- ▶ Allows you to create citations in your document as you write
- ▶ Automatically generates your bibliography in the required format **based on the citations used**
- ▶ Already installed on all student PCs (an extra tab on Word – **Proquest**)
- ▶ You can easily download onto your own PC
 - Look under Tools on the toolbar

To login to WriteNCite 4:



The image shows a screenshot of Microsoft Word with the RefWorks ribbon selected. The 'Log In' button in the Mailings group is circled in red, with a red arrow pointing to the 'Login' dialog box. The 'RefWorks' tab name is also circled in red. The dialog box contains fields for Group Code, User Name, and Password. Below these is an 'Or' separator and a section for login code. The 'Login Code' field is circled in red, with a red arrow pointing to it from a text box. The dialog box also includes a 'Note' and 'Login' and 'Cancel' buttons.

File Home Insert Page Layout References Mailings Review View Add-Ins EndNote X4 RefWorks

Style: Harvard Ro... Sync My Database Log In Remove Field Codes Open RefWorks Enable Auto Sync Folder

Insert Citation Bibliography Options Reapply Output Style Citation and Bibliography Extras Settings

Login

Group Code:

User Name:

Password:

Or

You can login to Write-N-Cite using your login code.

Login Code:

Note: You can find your code on the Write-N-Cite download page.

Login Cancel

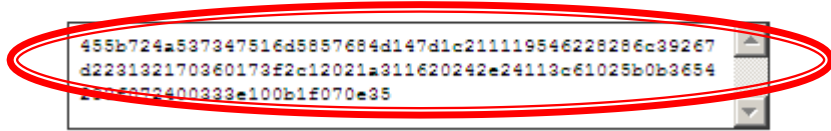
To obtain login code,
login to your **Refworks**
account...

To obtain login code for WriteNCite 4:

- ▶ From your Refworks account, go to drop-down menu Tools>Write-N-Cite
- ▶ Copy and paste the Group code displayed

How do I log into Write-N-Cite 4 using my institution credentials?

If you use your institution's credentials (Athens, Shibboleth or Proxy) to log in to RefWorks, you **MUST** copy and use this code on the Write-N-Cite 4 login screen



```
455b724a537347516d5857684d147d1c211119546228286c39267  
d223132170360173f2c12021a311620242e24113c61025b0b3654  
2005072400333e100b1f070e35
```

Please note:

- ▶ Note: this code constantly changes so will you will need to visit the Refworks site each time you need to log in
- ▶ Once logged into *your own* PC etc you will stay logged in until you log out
- ▶ You will need to log in each time you use WriteNCite 4 on student PCs
- ▶ WriteNCite 3 is also still available. Please do not use as the two versions are incompatible

Help/support for Refworks

From Refworks:

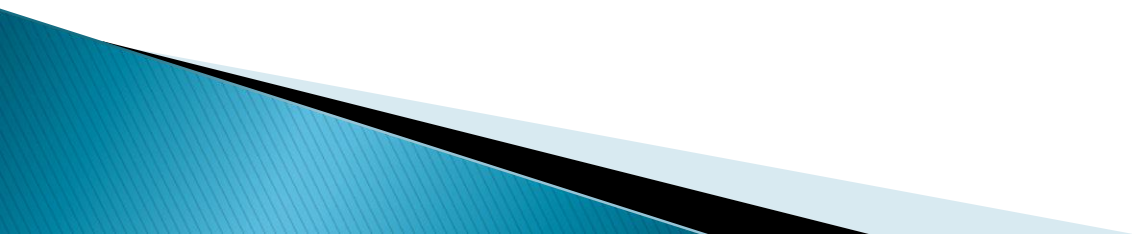
- ▶ Series of short tutorials (from Help menu)
- ▶ Resource Center (e.g. workbooks)
- ▶ Webinars

From Library:

- ▶ Library website
- ▶ Subject Librarians/Academic Learning Advisors

And other:

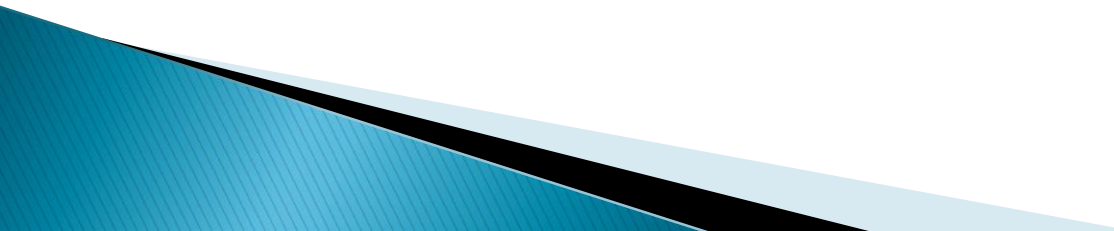
- ▶ Youtube videos



Plagiarism

Taken from Imperial College [Examination and Assessments: Academic Integrity](#)

‘the presentation of another person's thoughts, words or images and diagrams as though they were your own and which is a form of **cheating**’



Losing academic integrity:

The academic's personal reputation



The institution's reputation



Ability to attract students



Ability to attract research funds

Professional Integrity:

Your reputation – Paid for services?



The company's reputation



Ability to attract top quality staff



Ability to attract clients

Imperial College's attitude to plagiarism

- ▶ The same as other universities!
- ▶ Penalties:
 - Loss of marks (zero marks) for an assignment
 - Failure of a particular course/programme
 - Asked to leave university



Where to find information/advice

- ▶ Programme handbooks
- ▶ College website – on student web pages under Academic matters (Cheating Offences Policy and Procedures)

<http://www3.imperial.ac.uk/registry/exams/examoffences>

CHECK IT OUT!

- ▶ Your tutors
- ▶ Your Subject Librarian (me!)

Recognising Plagiarism – the obvious

- ▶ Copy and paste
- ▶ Word switch
- ▶ Collusion (using other student's work with their knowledge)

Recognising Plagiarism – the not so obvious

- ▶ Concealing sources
 - When using more information from a previously used source you must cite again
 - It must be clear where **each** piece of information has come from
- ▶ Self plagiarism
 - Check with tutor whether previous work may be used
 - Treat as if it were someone else's work
- ▶ Mis-interpreting “common knowledge”
 - Subject specific
- ▶ Secondary referencing

Secondary referencing (1)

- ▶ You have read Smith's paper (2010); but the information you wish to use is from an earlier source (Jones, 2000) that Smith has cited
- ▶ It is best to get hold of the original Jones paper
 - Using information from the Smith paper will be Smith's interpretation of Jones's information
- ▶ If this isn't possible you must make clear the source of the information is Jones...

Secondary referencing (2)

According to Jones as cited by Smith (7) there is substantial evidence to support....

- ▶ The Smith reference goes in the reference list at the end of your report

Note taking:

- ▶ Keep a record of your sources (full bibliographic details)
- ▶ In notes, make it clear what information has come from where
- ▶ Make it clear where you are using a direct quote
- ▶ Make it clear where you are rewriting in your own words (paraphrasing)
- ▶ Make it clear what are your own thoughts

Writing up: Paraphrasing

- ▶ Re-writing what you have read in your own words
- ▶ Shows you have understood the material
- ▶ Develops your own writing style
- ▶ Acknowledge sources!

Writing up: Use of quotes

- ▶ Tips on good quotation practice in referencing guide
- ▶ Text quotes – use sparingly!
- ▶ **Treat diagrams/figures/tables/equations as direct quotes when acknowledging them**
 - Use citation in text when referring to diagram etc, and also in caption
 - **Include the page number!**
- ▶ Acknowledge sources!

Writing up: Acknowledging Sources

- ▶ Citing and Referencing

A little video...



http://www.youtube.com/watch_popup?v=Mwbw9KF-ACY&vq=medium#t=11

Turnitin – text matching software

- ▶ Will be used for both interim report and final version
- ▶ Compares your work with a databank which includes stuff from the internet, journal articles, other student's work.....
- ▶ Produces an **ORIGINALITY REPORT**
 - Indicates any of your text which appear to match that in the databank (**potential** for plagiarism) – gives a percentage of similarity
 - You will be able to see this report before your deadline to ensure you haven't plagiarised (you can edit and resubmit)
- ▶ More information about this later!

How to avoid plagiarism – a strategy:

- ▶ Note taking – have a system
- ▶ Writing – Paraphrasing (writing in your own words)
- ▶ Writing – Use of quotes
- ▶ Writing – Acknowledging sources (Citing and referencing)

Citing and referencing



First the citing bit...

- ▶ As you are writing, when you refer to someone else's material you then insert the citation ("in-text citation") – **the acknowledgement**
- ▶ The citation is just a notation indicating that source
- ▶ Most notations based on:
 - Author surnames (e.g. Harvard)
 - Numbers (e.g. Vancouver)

Citing example in Vancouver:

A recent study (3) investigated the effectiveness of using Google Scholar in finding medical research.

Henderson (3) investigated the effectiveness....

- ▶ Two different literary styles (ways of introducing your source) – use both!

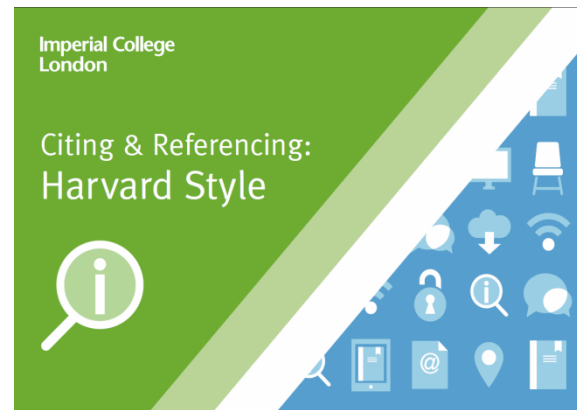
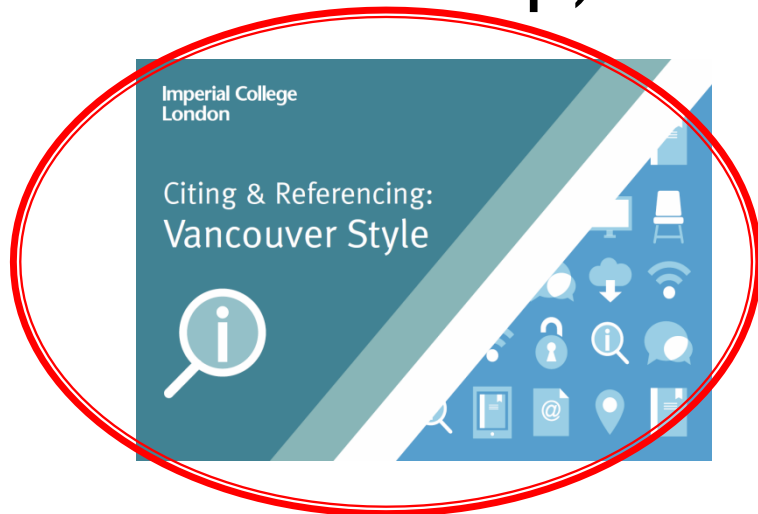
...and now the referencing bit!

- ▶ You add the full reference details (bibliographic details) into your reference list (usually at the end of your report)

(3) Henderson J. Google Scholar: a source for clinicians? *Canadian Medical Association Journal* . 2005;172(12):1549–1550.

What referencing style?

- ▶ Don't do it yourself!
- ▶ Library supports two systems (you can ask for help):



- ▶ <http://www3.imperial.ac.uk/library/subjectsandsupport/referencemanagement>

Example reference – book

Author/Editor, title, edition, place of publication, publisher, publication year

- ▶ Simons NE, Menzies B, Matthews M. *A Short Course in Soil and Rock Slope Engineering*. [Online] London: Thomas Telford Publishing; 2001. Available from: <http://www.mylibrary.com?ID=93941> [Accessed 18th June 2008].

Journal article – print/electronic

- ▶ Viswanath K, Tafti DK. Effect of stroke deviation on forward flapping flight. *AIAA Journal*. 2013;51(1): 145–160.
- ▶ Viswanath K, Tafti DK. Effect of stroke deviation on forward flapping flight. *AIAA Journal*. [Online] 2013;51(1):145–160. Available from: <http://arc.aiaa.org.iclibezp1.cc.ic.ac.uk/doi/pdf/10.2514/1.J051675> [Accessed 20th September 2013].
- ▶ Note: it is ok to give only the details for a print version of a journal article even if you view electronically – the information is sufficient for someone to easily find it

Example reference – website

Author (or corporate author), title, URL, date of access

- ▶ European Space Agency. *ESA: Missions, Earth Observation: ENVISAT*. [Online] Available from: <http://envisat.esa.int/> [Accessed 3rd July 2008].

Compiling your reference list

- ▶ List of all the sources you have cited (and nothing else!)
- ▶ One list of all sources regardless of type
- ▶ First source used is numbered (1), the next (2)....
- ▶ List is arranged in numerical order
- ▶ One source can be cited several times
- ▶ **Rewriting/editing** – may alter the order of the cited sources in the text. Reference list will need to be re-ordered

Good citing and referencing – other advantages

- ▶ You won't be accused of plagiarism!
- ▶ Good academic practice
- ▶ It demonstrates you have conducted an appropriate information search to support your work
- ▶ Tutors can see how you have developed your ideas and that you understand the work
- ▶ Sources used can be readily traced
- ▶ Good, consistent referencing helps improve your assessment grade!

How to avoid plagiarism:

The assumption is that it is your own work unless you indicate otherwise (i.e. acknowledgement)

No acknowledgement



Plagiarism

- ▶ It must be clear what information has come from which source
- ▶ It must be clear where you have used a direct quote (quote marks, page number also required)

Any questions?

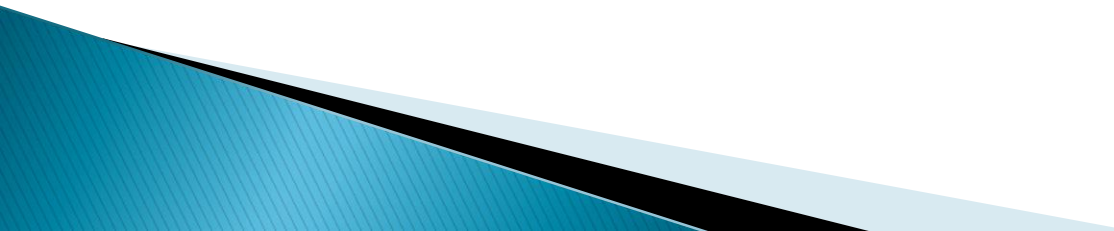
Support:

1 to 1s, email, phone

Angela Goldfinch

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02075948882



Support

- ▶ Aeronautics Subject Resources webpages
 - <http://www3.imperial.ac.uk/library>
- ▶ Blackboard (Department information)
 - Slides/guides
 - Turnitin – guide and tutorial
- ▶ [Olivia](#) (online virtual information assistant)
- ▶ Turnitin drop in session prior to submission deadline
- ▶ The Library (me and Jenny!)
(a.goldfinch@imperial.ac.uk)
 - Difficulty finding references
 - Difficulty locating actual documents
 - Advice on citing and referencing