

Academic Writing

Lecturer: Neil Eliot



Learning Outcomes

- Understand what is referencing.
- Understand how reference is used.
- Be able to identify valuable sources.
- Understand how to use appropriate styles.



Introduction

- Academic assignments involve the critical review of sources in order to construct a valid argument or discuss a certain topic.
- At Level 6 you must demonstrate the ability to review and digest information in order to construct valid arguments.
- At Level 7 you must demonstrate the ability to review and digest information in order to construct valid arguments and to support your own opinions/findings through critical evaluation of those sources.



Referencing

- When ever you acquire information from a particular source you must cite and reference it to acknowledge where you got this information from.
- Why do we reference?¹
 - Give the original author credit for their own ideas and work
 - Validate your arguments.
 - Enable the reader to follow up on the original work if they wish to.
 - Enable the reader to see how dated the information might be.
 - Prove to your tutors/lecturers that you have read around the subject.
 - Avoid plagiarism.
- There are multiple referencing styles therefore be sure you can tell the difference...

REFERENCE

¹ http://www.skillsyouneed.com/write/academic-referencing.html



OSCOLA¹

Used generally in Law.

name. Finally a number of deleted Internet search history records and Internet search terms were recovered showing obvious access to illicit web sites. Utilising this "evidence at the trial was to prove the knowledge necessary for possession and thus to rebut the defendant's explanations raised by him for the presence of these images on his machine" 402.

REFERENCE

¹ http://www.law.ox.ac.uk/published/OSCOLA_4th_edn.pdf

⁴⁰⁰ R. v Miller (David) [2010] EWCA Crim 2883

⁴⁰¹ R. v Rowe (Christopher) [2008] EWCA Crim 2712;

⁴⁰² R. v Miller (David) [2010] EWCA Crim 2883



IEEE Numeric*

• References cited in order of appearance in the text.

Robotics

A significant amount of research on multi-agent robotic systems has begun to emerge. Fukuda's early work on the CEBOT system [9] demonstrates the self-organizing behavior of a group of heterogeneous robotic agents. Beni and Hackwood's research [11] on swarm robotics demonstrates large scale cooperation in simulation. Work at MIT, by Brooks [7] and Mataric [15], shows the development of subsumption-based multi-agent teams, the latter study involving 20 small robot agents. Many other projects have been reported (e.g., [13, 14, 16]), to the point where an entire conference exists to robot the results of such work [12].

Used more than once

* style guide on canvas

References

- Altmann, S.A., "Baboons, space, time, and energy" *American Zoologist*, 14:221-248, 1974.
- [2] Arkin, R.C., "Motor Schema-Based Mobile Robot Navigation", International Journal of Robotics Research, Vol. 8, No. 4, August 1989, pp. 92-112.
- [3] Arkin, R.C., "The Impact of Cybernetics on the Design of a Mobile Robot System: A Case Study", IEEE Transactions on Systems, Man, and Cybernetics, Vol. 20, No. 6, Nov/Dec 1990, pp. 1245-1257.
- [4] Arkin, R.C., "Cooperation without Communication: Multi-agent Schema Based Robot Navigation", Journal of Robotic Systems, Vol. 9(3), April 1992, pp. 351-364.
- [5] Arkin, R.C., "Towards the Unification of Navigational Planning and Reactive Control", AAAI Spring Symposium on Robot Navigation, Stanford, CA, 1989.
- [6] Arkin, R.C. and Hobbs, J.D., "Dimensions of Communication and Social Organization in Multi-Agent Robotic Systems", Proc. Simulation of Adaptive Behavior 92, Honolulu, HI, Dec. 1992.
- [7] Brooks, R., Maes, P., Mataric, M., and More, G., "Lunar Base Construction Robots", IEEE International Workshop on Intelligent Robots and Systems (IROS '90), pp. 389-392, Tsuchiura, Japan, 1990.
- [8] Franks, N., "Teams in Social Insects: Group Retrieval of prey by army ants", Behavioral Ecology and Sociobiology, 18:425-429, 1986.
- [9] Fukuda, T., Nakagawa, S., Kawauchi, Y., and Buss, M., "Structure Decision for Self Organising Robots Based on Cell Structures - CEBOT", IEEE International Conference on Robotics and Automation, Scottsdale Arizona, pp. 695-700, 1989.

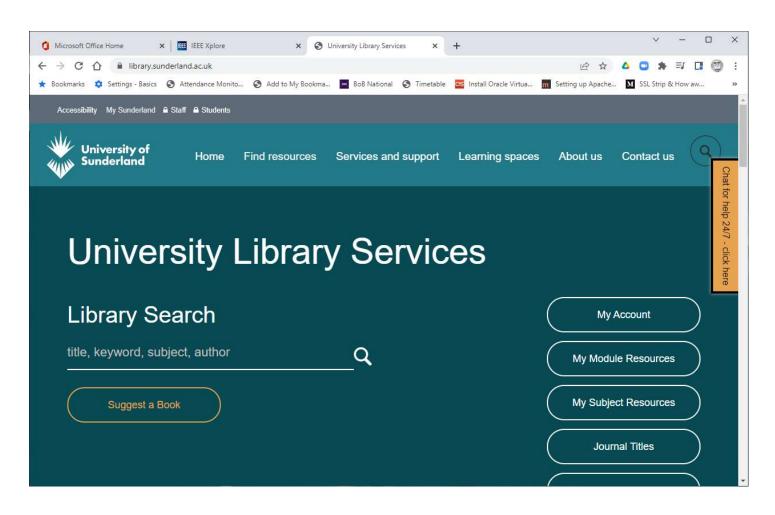


Harvard

- In Text:
 - ...(Marshall, 2009)
 - Marshall (2009) states...
- Reference:
 - Watson, I. and Marir, F. (1994) 'Case-based reasoning: A review' *Knowledge Engineering Review*, 9(4), pp. 327-354
 - Marshall, A. M. (2009) Digital Forensics: Digital Evidence in Criminal Investigations, Oxford: John Wiley & Sons
 - Wiles, J. and Reyes, A. (2011) *The Best Damn Cybercrime and Digital Forensics Book Period,* United States of America: Syngress

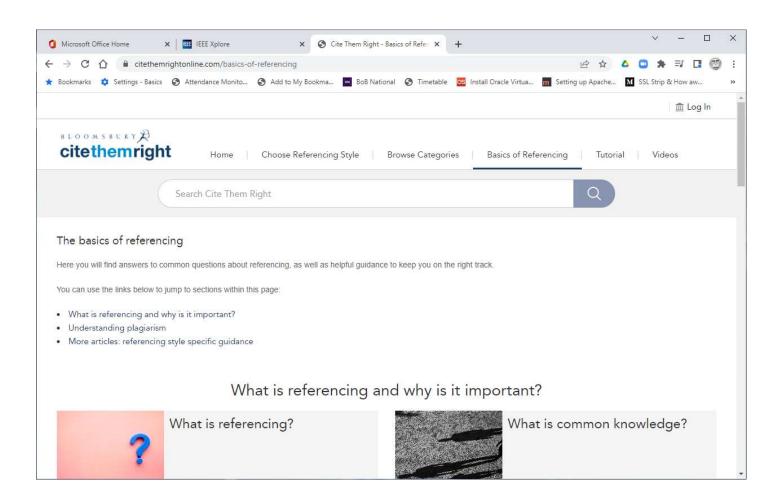


Library Services





Cite them Right





Plagiarism

- As per Cite the Right "Presenting someone else's work as your own"
- If you use other peoples work without citing and referencing you have plagiarised.
- This includes:
 - Failing to reference work.
 - Failing to use quotation marks for a quote.
 - Citing sources you didn't use.
 - Paraphrasing arguments without citing.
- What about common knowledge?



Elements of Successful Referencing

- Citations: are pointers in your text which indicate where you have used a particular source.
- Reference Lists: are at the end of your document. This is a full list of sources used (which have been cited) including all their details in accordance with the referencing standard used.
- Bibliographies: are lists of sources used when preparing your work.



Elements of Successful Referencing

- Papers
 - Citations and Reference list.
- Reports
 - Citations, Reference list and a bibliography must ALL be present.

REFERENCE

Some modules may specify standard report or paper or both!



Citing (What's wrong?)

Digital forensics (DF) is defined as "the collection, preservation, analysis and presentation of electronic evidence for use in a legal matter using forensically sound and generally accepted processes, tools and practices". A DF practitioner is often required to *post mortem* investigation of digital data using forensically accepted methods in order to provide a factual account of the activity which has taken place on a particular device.

There's a quote and a paraphrased section!



Citing (Sources?) (assuming Harvard)

Digital forensics (DF) is defined as "the collection, preservation, analysis and presentation of electronic evidence for use in a legal matter using forensically sound and generally accepted processes, tools and practices" (Lars and Larry, 2011, p.3). A DF practitioner is often required to *post mortem* investigation of digital data using forensically accepted methods in order to provide a factual account of the activity which has taken place on a particular device (Hannan and Turner, 2003).

REFERENCES ADDED



Additional Citing Considerations

- Multiple authors
 - More than one (two)
 - Include both surnames.
 - Three or more
 - et al.



Sources

- Be aware when referencing:
 - Books
 - Journals
 - Websites
 - Newspapers
 - Etc.
- There is a "value" associated with each of these!



Using Sources

- When using sources you can implement a number of techniques.
 - Paraphrasing taking someone else's opinion and saying it in your own words
 - Demonstrates that you have understood a concept
 - Still requires a reference
 - Quoting Directly quoting someone's work.
 - Needs to be contained within ""
 - Keep these to a minimum.



Writing Style

- Be aware of the approach you take when writing your assignment.
 - Use third person i.e. write from the perspective of the work you are doing.
 - Do not use first person it is not appropriate.
 - "I thought this..."
- Maintain a formal and professional writing style.
 - Make the sentences short and factual.
 - Avoid unnecessary adjectives.
 - "It is really, really important"



The Strength of Sources

- References do have a hierarchy of strength.
 - Peer-reviewed material is generally regarded as a strong reference.
 - Often found in top journals and conferences.
 - The more "peer reviewed" the better and by "experts" in the field carrying out the review the better!
 - Material which is not subject to a review process is viewed as weaker but can be important such as referencing a manufacturer of a product or configuration guides etc.



NO Wikipedia...

NOTE

It can be a good starting point though in your research as it may reference peer reviewed articles



Reference Types – Strength

- Firstly
 - Journal articles
 - Conference papers
 - Books
- Secondly
 - Forums
 - Websites
 - Video tutorials



Report Structure

- A simple structured piece of work will have:
 - An Introduction
 - Briefly tells the reader about your work, what its aims and objectives are and some background context to the problem area 'setting the scene'
 - Main body
 - Presentation of your main arguments / points / analysis. Core concepts and topics of your work will be discussed here including any results you may have drawn
 - Conclusions
 - You conclusion should link back to your introduction
 - Summarises your paper / final thoughts



Paper Structure

- A simple structured piece of work will have:
 - Abstract
 - A summary of the entire paper including results
 - An Introduction
 - Briefly tells the reader about your work, what its aims and objectives are and some background context to the problem area 'setting the scene'
 - Main body
 - Presentation of your main arguments / points / analysis. Core concepts and topics of your work will be discussed here including any results you may have drawn
 - Conclusions
 - You conclusion should link back to your introduction
 - Summarises your paper / final thoughts



Abstract

• Usually a short (150-200 words approx) summary of the article, topic area and contributions of the paper.

ABSTRACT

A number of new entertainment systems have appeared on the market that have embedded computing capabilities. Smart Televisions have the ability to connect to networks, browse the web, purchase applications and play games. Early versions were based on proprietary operating systems; newer versions released from 2012 are based on existing operating systems such as Linux and Android. The question arises as to what sort of challenges and opportunities they present to the forensics examiner. Are these new platforms or simply new varieties of existing forms of devices? What data do they retain and how easy is it to access this data? This paper explores this as a future forensic need and asks if we are missing potential sources of forensic data and to what degree we are ready to process these systems as part of an investigation.

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NOTE

Example taken from: 'Sutherland, I., Read, H., & Xynos, K. (2014). Forensic analysis of smart TV: A current issue and call to arms. Digital Investigation, 11(3), 175-178.'



Research Sources

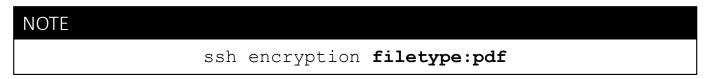
- Campus library.
- Online searches:
 - Google
 - Advanced search syntax
 - filetype:pdf



Research Sources

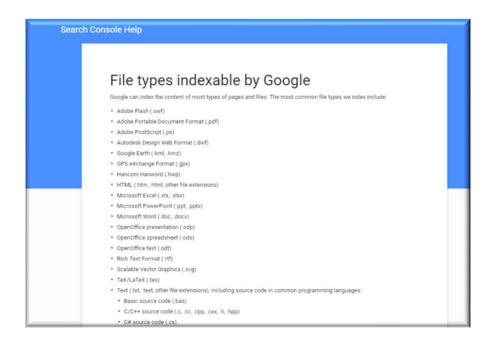
- Google
 - Advanced search syntax







Research Sources



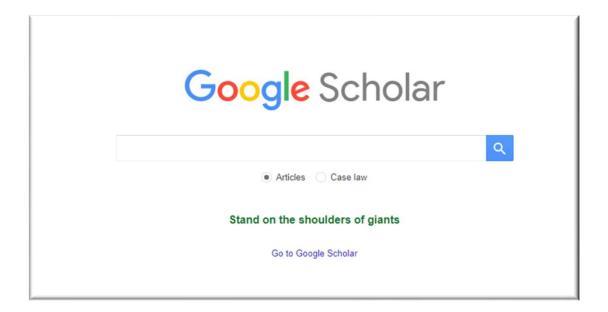
NOTE

https://support.google.com/webmasters/answer/35287?hl=en



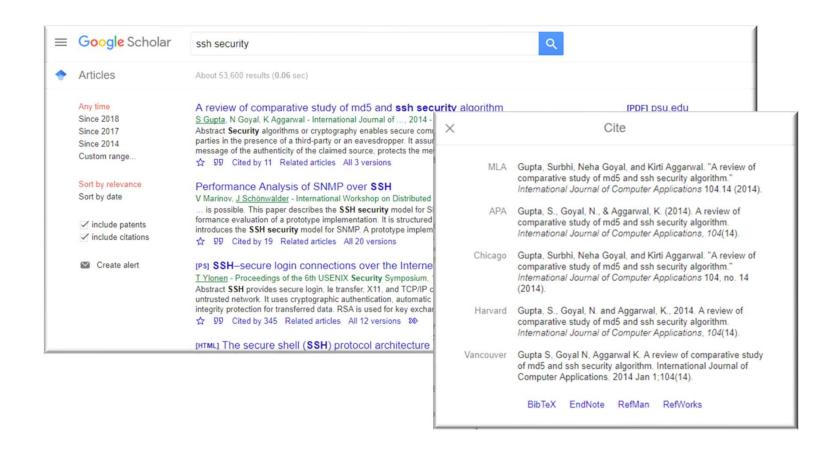
Google Scholar

• http://scholar.google.co.uk/





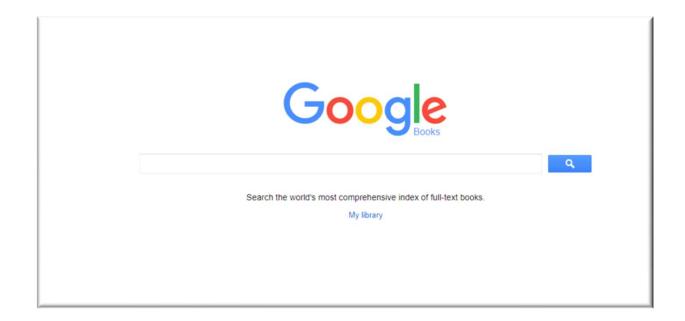
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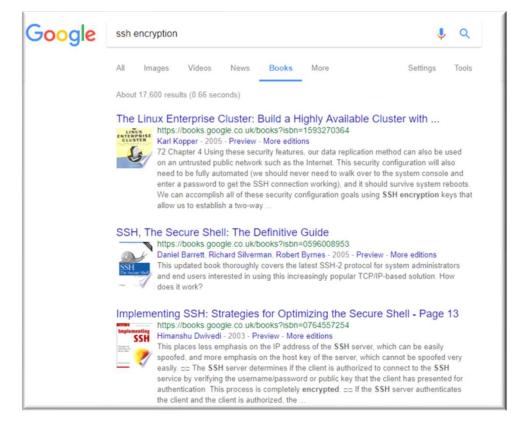


Google Books

• https://books.google.co.uk/

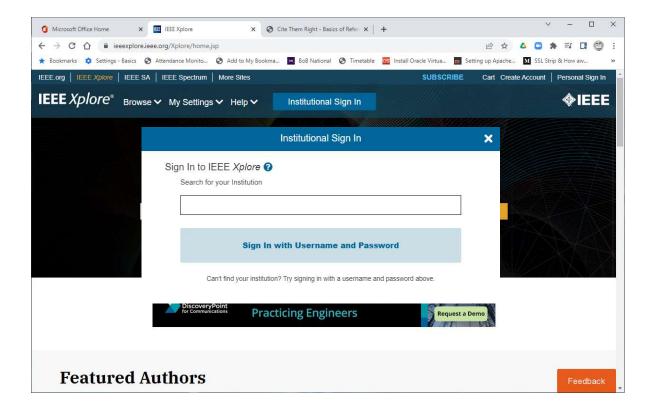


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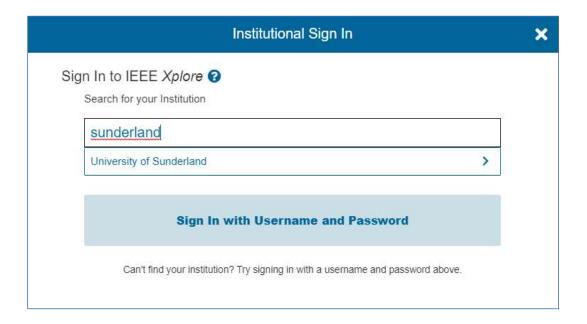




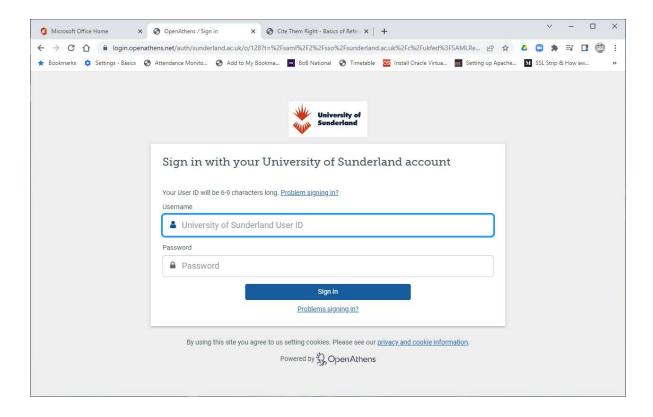




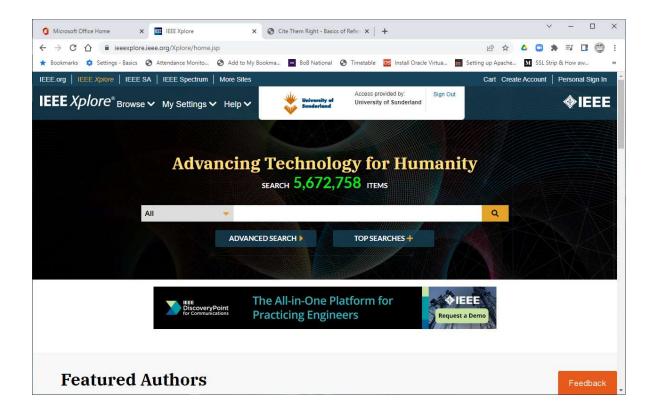




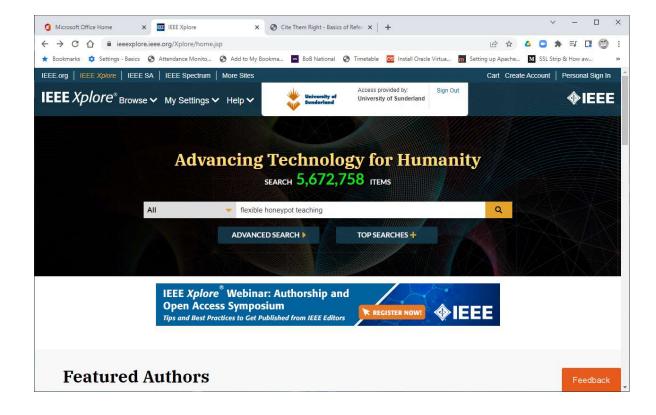




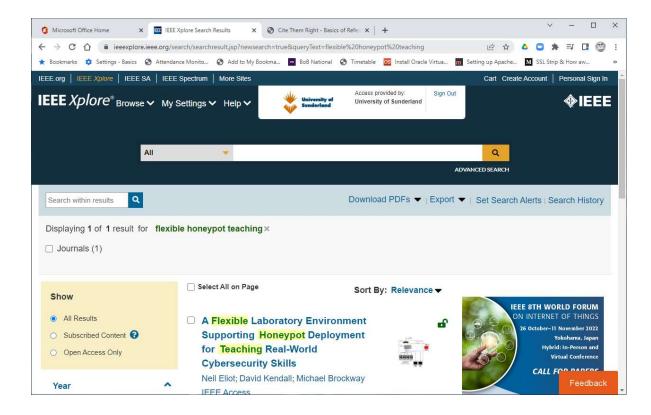




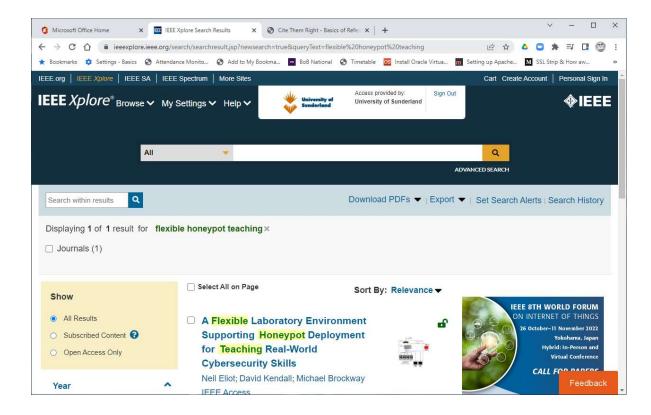




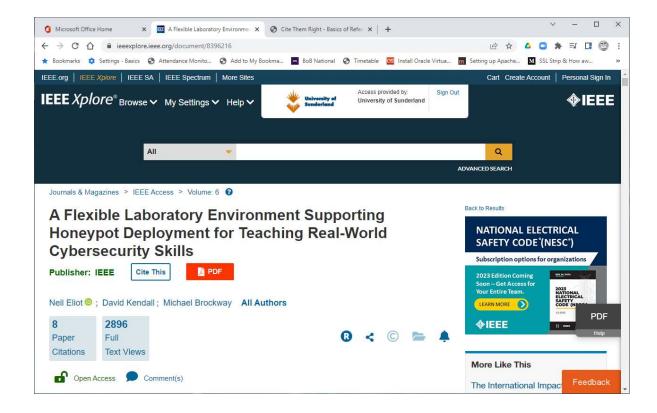




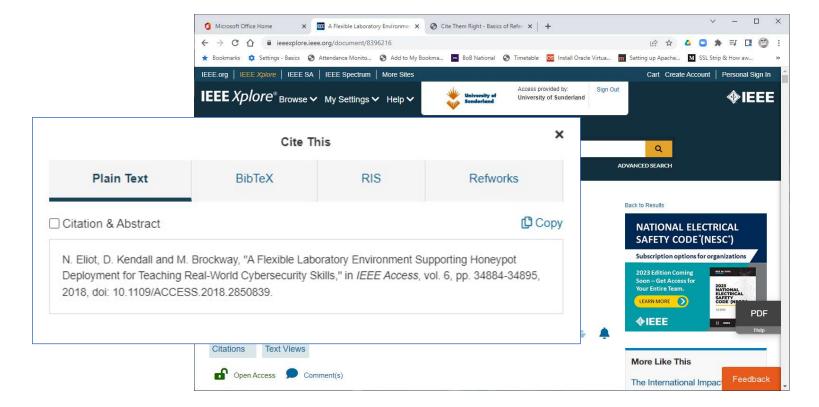




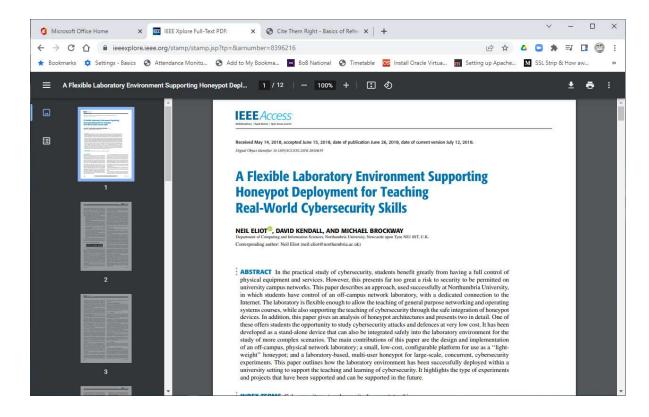














Summary

- Referencing
 - Why do we have it?
 - How do we reference?
 - What sources are available?
 - What are considered the best references?