

**Homework 1**  
**(502805-3) Internet Security**

**Spring 2021**

**Due: Wednesday February 24, 2021, 11:59 p.m. via Blackboard**

Read the following paper (this paper is a very good paper that received the ACM CCS 2020 Distinguished Paper Award):

Man, K., Qian, Z., Wang, Z., Zheng, X., Huang, Y., & Duan, H. (2020, October). DNS Cache Poisoning Attack Reloaded: Revolutions with Side Channels. In *Proceedings of the 2020 ACM SIGSAC Conference on Computer and Communications Security* (pp. 1337-1350).

Here is the link to the paper

<https://dl.acm.org/doi/pdf/10.1145/3372297.3417280>

Focus on understanding the main contribution of the paper (you may ignore the full technical details). Answer the following questions after reading the paper (about ½ page for each):

- ❖ What are the main claims of the article?
- ❖ What supporting evidence/arguments/etc. do the authors provide?
- ❖ Do you agree with the authors' claims? Why/why not?
- ❖ Is the problem important?